

EXECUTIVE CERTIFICATE IN RESILIENCE POLICY

16 SEP - 14 OCT 2020

20 hours of learning

8 Seminars
7 Case Studies
1 Group Exercise
Remote Delivery
Block Sessions



**SOCIAL
CYBER
INSTITUTE**



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**DESIGNED FOR EXECUTIVES IN
GOVERNMENT, BUSINESS, INDUSTRY,
NGOS, THINK TANKS, DEFENCE, POLICE
AND EMERGENCY SERVICES**

WHY THIS COURSE?

CREATING SOCIAL RESILIENCE IN A CYBER WORLD

Resilience policy in Australia remains a work in progress, both in government and in the business and community sectors. Disaster response capabilities have been fine-tuned over recent decades, along with mature business continuity plans. At the same time, there is a consensus that consequence management of disasters, especially the social and economic impacts, is not as well developed.

The mood has been captured well in several places, but perhaps no better than in the decision by New South Wales Premier, Gladys Berejiklian, after the bushfires and Covid-19, to set up a new organization, Resilience New South Wales, for the express purpose of addressing second order effects. Premier Berejiklian expressly identified cyber crises and bushfires as the sorts of scenarios that the new organisation would need to address.

In the wake of Covid-19, we can see new attention being paid by political and business leaders around the country and beyond to resilience challenges.

Resilience planning, before disasters strike, should be grounded in approaches that are comprehensive, generative and directly linked to both individual well-being and larger social interests.

This course, with a primary focus on cyber resilience, but with lesson learning from pandemic, climate change, and drought, will equip participants to engage more effectively with the demands of resilience planning that Australian leaders in government and business are now requiring of us.

WHY THIS COURSE?

“We commit to do whatever it takes and to use all available policy tools to minimize the economic and social damage from the pandemic, restore global growth, maintain market stability, and strengthen resilience.”

**G20 Leaders’ Summit - statement on COVID-19:
26 March 2020**

“Through Resilience NSW we will re-double our efforts to prevent, prepare and recover from crises which impact NSW”... “be it COVID, be it cyber security, be it a whole range of things we may not foreshadow”.

NSW Premier Gladys Berejiklian, 6 April 2020 announcing the creation of Resilience New South Wales

“We must build our resilience for the future and that must be done on the science and the practical realities of the things we can do right here to make a difference.”

Prime Minister Scott Morrison, 14 January 2020

TOPICS

COURSE SEMINARS

1. Systems and Scenarios
2. Resilience: Civil Defence or Total Defence?
3. Mapping Dependencies
4. Cyber Storm
5. Creating Resilience Capability
6. Knowledge and Education Priorities for Resilience
7. Designing Renewal: Building Future Resilience
8. Effective Resilience Implementation for Government, Business and Community

CASE STUDY DISCUSSION AND FACT FINDING

1. Australia's Cyber Strategies: 2009, 2016, 2020
2. US National Cyber Incident Response Plan
3. Northeast Business Resilience Centre UK and Design Priorities for Resilience NSW
4. COVID-19: Taiwan's Great Success
5. Comparing the GFC and COVID Responses in Australia
6. Water resilience in the Horn of Africa and Australia
7. Participant nominated topic

**20 HOURS FACE TIME
(INTRODUCTORY MEETING, 8 SEMINARS, 7 CASE STUDIES,
1 GROUP EXERCISE)**

**DELIVERED OVER FOUR CONSECUTIVE WEEKS BY ZOOM WITH
FULL INTERACTIVE FUNCTIONALITY**

THE SCI ADVANTAGE



Course designed by Prof Greg Austin, UNSW Canberra, and Senior Fellow, The International Institute for Strategic Studies



Senior Adviser is Adam P. Henry, Director - Education and Research Programs, FifthDomain



Course reviewed by Prof Glenn Withers AO, Distinguished Professor of Economics at ANU and Government and Business Advisor



Course managed by Lisa Materano, CEO of Blended Learning International

COURSE OUTLINE

INTRODUCTION

The first session of the course will be an introduction on three levels. First, we will take time to establish the collective expectations for the course. Second, Professor Greg Austin will brief on cross-cutting and comprehensive approaches to the concept of resilience based on his work on that subject supported by the Rockefeller Foundation. Then, Professor Glenn Withers AO will provide an overview of other key concepts and useful analytical approaches based on his experience as chair on various international, national and state/territory committees and academic research over several decades.

SEMINARS

Systems and Scenarios

Promoting resilience requires understanding of what futures we face and what disruptions can occur. How to use scenario planning to anticipate trends and dislocations is provided in this seminar drawing on major global benchmarks such as those from the top consultancies such as McKinsey, combined with the latest risk assessments from the World Economic Forum. How dislocations transmit across the interdependent elements of economies is then examined using systems modelling developed for the United States and Australia for a range of crises from pandemic to nuclear attack.

Resilience: Civil Defence or Total Defence?

In the same way that countries have an established national security policy, a strategy and a variety of institutions to deliver those, governments and communities need an agreed overarching policy approach and institutions in place in preparation for natural disasters and political or economic crises and that can deliver resilience. This session looks at how selected countries have addressed this need: the United States, Finland, Indonesia, Singapore, China, the United Kingdom and Australia. The session teases out the impact of political and social culture, and history, on those choices. It also reviews their shortcomings.

Mapping Dependencies

In order to establish the linkage between first order effects and other consequences (cascading second and third order effects), it is essential to map dependencies between the target of the disaster (say IT systems overwhelmed by catastrophic fire or cyber attack) and the business and social activities that depend critically on those systems. Few businesses and few governments have mapped such dependencies. This session draws on relevant international experience of mapping complex cyber dependencies to enable the participants to lead or consume such mapping. The lessons are applicable outside the cyber domain for other disaster or crisis contingencies.

COURSE OUTLINE

SEMINARS

Cyber Storm

This session reviews the contingency of a major crisis in cyber connectivity affecting national security or economic welfare and how resilience planning has been developed in a sample of selected countries for that scenario. It also reviews international experience from exercises that simulate such crises. It considers strategies for more effective horizontal engagement between key stakeholders: government, business and communities. It will equip participants with the insights needed to help remedy large gaps that exist in almost all countries in this area of policy.

Creating Resilience Capability

Do nations have the skills and training in place for creating resilience? This session looks at the ways we educate, train and provide experience and what is distinctive in Australia compared to other systems. Where resilience is embedded here, how well that approach delivers and what could be improved is reviewed. Human capital investment and knowledge management are seen as key, and the case of cybersecurity skills here and in leading nations in the field provision is examined in depth.

Knowledge and Education Priorities for Resilience

In natural disaster response, there is a natural tendency to let the front-line responders and emergency service providers get on and do the job, from an operational perspective. There are few mechanisms available in a crisis to penetrate that understandable bias, but resilience policy for second order effects must be crafted and shaped both in advance of crisis and during it. As we saw in the Covid-19 crisis, the health specialists get almost exclusive front-running with little recognition that there is a highly developed body of global knowledge and assets beyond epidemiology that can contribute to resilience. This session looks at how to expand formal and professional education to enhance existing knowledge communities relevant to resilience from disasters.

Effective Resilience Implementation for Government, Business and Community

Relying on previous seminars and case studies, this session will look at how to evaluate the readiness of government, business and community to achieve high levels of resilience.

Designing Renewal: Building Future Resilience

As response and recovery morph into a capacity to focus on renewal, the opportunity can be taken to look to designing more resilient structures for the future that also better serve wider citizen well-being at the same time. How both restructuring and private and public investment can and should emerge from the recovery process is the subject of this seminar.

COURSE LEADERS



Professor Glenn Withers is a Distinguished Honorary Professor at the Australian National University and Visiting Professor at the University of New South Wales Canberra. His Harvard PHD was on the topic of human resources for defense. He has held appointments at Harvard University and Cambridge University, as well as ANU, and has consulted widely for governments and companies. He is the architect of the Australian Immigration Points System, for which he received an AO



Professor Greg Austin is a Professor of Cyber Security, Strategy and Diplomacy with the University of New South Wales Canberra. His academic career, including a Senior Visiting Fellowship in the Department of War Studies at Kings College London, has included nine books on international security, and leadership of several international research projects. His service as a research leader for prominent global NGOs involved working with leading governments at Ministerial level (Russia, China, UK, India, United States, Turkey, Australia), major international organisations at leadership level, and globally prominent corporations.



Adam P. Henry is a Director of Education and Research Programs at Fifth Domain focusing on partnerships with education institutions and industry. He is an Adjunct Lecturer at the UNSW Canberra Cyber and participates in other key projects and programs. He is a cybersecurity education, skills and workforce development expert and researcher.

COURSE OUTCOMES



Successful completion of this course will help you to lead or participate fully in policy teams developing or implementing resilience strategies.



You will have deepened your knowledge of international and national approaches.



You will enhance your appreciation of the importance of multi-dimensional approaches (economic and social), the centrality of the human perspective, and inevitable linkage between first response, initial recovery and longer term regeneration.



You will have reviewed case studies for lessons of success and failure in resilience policy.



You will have a new appreciation of the commonalities in resilience policy for quite distinct threats: cyber, pandemic, and climate change, among others.



You will gain access to the network of 24 fellow participants and industry experts/leaders in their fields.



You will be awarded an SCI Executive Certificate in Resilience Policy on completion of the course.

SCHEDULE AND FEES

The Executive Certificate in Resilience Policy

Next course date:

16 SEP - 14 OCT 2020

**Sessions held Wednesday and Friday at
10:00 am to 12:30pm AEST**

The full certificate fee is:

\$2500 AUD plus GST for individual participants

For group enrolments, information will be
provided upon request.

ENROLMENT INFORMATION

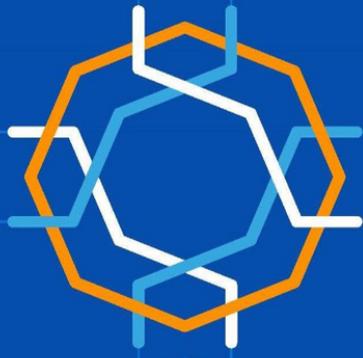
For more information and enrolment assistance,
please contact:

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ABOUT SCI

Social science research on our emerging cyber world is not keeping pace with the "gifted technologists" and "talented tinkerers".

Knowledge transfer from world-class social science researchers to leaders of business and government has been slow, haphazard, and undisciplined.

The Social Cyber Institute (SCI) creates new modes of thinking specific to individual corporations, government agencies and their operating ecosystem, deploying social science insights to complement science and technology

SCI is the public research and public analytic arm of the Social Cyber Group consultancy.

SCI is a start up from the University of New South Wales but operates independently of it

**WE HELP YOU
UNDERSTAND THE
SOCIAL DNA OF
YOUR INFOTECH
AND REWIRE IT
FOR THE FUTURE.**

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