A PURPOSE-BUILT PROGRAM DESIGNED FOR FUTURE PUBLIC SECTOR LEADERS, DEVELOPING MANAGEMENT AND POLICY SKILLS NEEDED TO MEET THE GOVERNANCE CHALLENGES OF THE 21ST CENTURY
GRADUATE CERTIFICATE IN ECONOMICS

I am delighted to extend a welcome to you from the Institute for Governance and Policy Analysis (IGPA) at the University of Canberra, and to introduce the Graduate Certificate in Economics Program.

IGPA was established in January 2014 to harness the research strengths of the ANZSOG Institute for Governance (ANZSIG) and the National Centre for Social and Economic Modelling (NATSEM). It conducts interdisciplinary research and professional development in governance to deepen theory, advance knowledge and improve practice in a way that is of significance to scholars and practitioners in Australia and internationally.

The Institute has been phenomenally successful in attracting some of the leading governance experts in the world over the past two years including Professor David Marsh (former Research Director, RSSS, ANU), ARC Laureate Professor John Dryzek (formerly ANU), Professor Gerry
Stoker (winner of the 2006 Political Studies Association Book of the Year award for *Why Politics Matters*) from the University of Southampton, Professor Patrick Dunleavy, convenor of the London School of Economics Public Policy Group and our latest Centenary Professor in Governance, Professor Diane Stone from the University of Warwick, an expert in the study of globalisation and public policy.

The Institute has become both a trusted knowledge broker of governance related applied and traditional research both at home and overseas and a leading provider of executive and graduate education to all three levels of government in Australia. This includes: the delivery of accredited graduate entry programs for the Australian Bureau of Statistics, and the departments of Agriculture, Industry and Infrastructure and Regional Development; the delivery of an accredited graduate entry program for the ACT government; the delivery of executive training programs for the Department of Prime Minister and Cabinet, to every state and territory in Australia; and, the delivery of the Excellence in Local Government Leadership Program for the Department of Infrastructure and Regional Development. The Institute also delivers several DFAT sponsored leadership programs for overseas governments (China, Singapore, Vietnam and the Open Policy Making Program for the UK Cabinet Office).

The Graduate Certificate Program has been specifically tailored to meet the needs of graduates appointed to various government departments. It serves as an introduction to economics and public sector management and forms a significant part of the induction programs run by departments. The Graduate Certificate focuses on providing research-led and practice-based education to equip graduates with the practical skills and theoretical bases that they need as they embark on their careers in the public sector.

I look forward to you joining our exciting program.

Professor Mark Evans
Director
Institute for Governance and Policy Analysis
PROGRAM OVERVIEW

This is an interdisciplinary degree, devised to meet the needs of government departments and public agencies for highly skilled and professional policy makers. It also meets the needs of people working with governments but in the private sector, for instance in consultancy, public-private partnerships, public affairs, media, non-governmental organisations and interest groups.

THE COURSE HAS FIVE MAIN AIMS:

1. to provide an advanced, critical understanding of the main theoretical and policy debates within public and economic policy-making;
2. to build specialist knowledge within the cohort of specific applied problems in economic and public policy-making in Australia;
3. to foster the ability of participants to work independently, employing an empirical and analytical knowledge of their field in the planning and presentation of succinct, precise arguments – written and oral;
4. to enable individual participants to engage in high quality, problem-solving oriented group work and complete complex group tasks in a timely and collegial manner; and,
5. to nurture a critical understanding of the main methodological and philosophical problems involved in economic research.
# COURSE STRUCTURE

The Graduate Certificate course is comprised of four units, which are:

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In addition, students with less experience and capability in statistics may be required to attend a further unit entitled Statistics for Government.
UNIT CONTENTS

PUBLIC ADMINISTRATION G

This unit outlines some of the most important developments in contemporary public management and governance and how these relate to the everyday practices of those working in the public sector. In so doing, it examines the role of the state and the public sector and introduces some of the key issues that governments and academics have been trying to address over the past three decades. Why the focus on governance rather than government? Because Westminster systems have seen quite dramatic changes in the nature of the social problems that we are confronting and in the way they can be talked about and addressed. In the past governments could direct people to do things but this is now not so easily done. The problems we face are often multi-dimensional and complex. Moreover, we live in a world where more interests have specialized knowledge and arenas of influence, more citizens are educated and articulate, and more individuals use social media to rapidly form and then reform collective identities. As a result, to solve the collective problems we face still requires action from government but increasingly also involves action from a range of non-governmental actors. Governance is the phrase we use to capture this new terrain of governing.

The governance terrain remains fraught with dilemmas. Can politics change to get us focused on resolving social and economic problems together rather than fueling the endless demand for others to take action? Can governments work without having the stick of hierarchical control as their dominant tool? What are the new strategies for change? Could these include experimental modes of governance, behaviour change or new forms of citizen-centric deliberative exchange and action? Can we ensure that powerful groups do not dominate decision-making and issues of exclusion are addressed? Can we construct solutions that work from the local to the global?

The purpose of this unit is threefold:

1. to interrogate the public value proposition underpinning governance and the paradigms of management that could and do underpin it;
2. to assess new methods of governing that are being used to affect governance across Westminster systems; and,
3. to evaluate the changes in organisational norms, values and capability that are necessary to embed a public sector culture of “seeing like a citizen” in an era of governance.
INTRODUCTION TO ECONOMETRICS AND ECONOMIC MODELLING

This unit provides an introduction into how econometrics and economic modelling can be used to inform better economic decisions. It is organised into two modules – *Econometrics for Government* and *Evidence and Evaluation*.

*Econometrics for Government* is an introductory module to basic econometrics, emphasising the problems involved in the empirical measurement of economic relationships and the techniques used to solve these problems. The overall aim of the module is to introduce participants to the practical application of micro-econometric methods encompassing the use of linear regression models including interpreting the parameters, making inferences, model specification, endogeneity issues, heteroscedasticity and autocorrelation. Micro-econometrics is concerned mainly with the analysis of cross-sectional and short panel data from individuals, households, firms, regions etc. (whereas macro-econometrics is concerned mainly with analysing economic time series and long panel data from one or more countries).

The second module, *Evidence and Evaluation*, provides participants with an understanding of the contribution that research evidence can make to the development, implementation and evaluation of economic policy. It will consider the importance of evidence being methodologically robust; shed light on the nature of statistics in government; and explore the strengths and limitations of different types of research evidence. In doing so, it will provide participants with the tools to be critical consumers of research evidence in public policy. Finally, it will consider the extent to which economic policy is or should be ‘evidence-based’.
Public policy leaders frequently interact with professional economists. This unit aims to prepare participants for this interaction by developing the skills necessary to become a critical consumer of economic thinking. The unit is organized into three modules: *Introduction to the Australian Economy; Introduction to Micro-Economics in the Australian Context;* and, *The Australian Budget.*

*Introduction to the Australian Economy* explores the preoccupation that economists have with markets, asking what markets can achieve, and why they sometimes fail. It also provides an investigation of the nation’s economic structure and performance and in particular the role that government policies play in affecting its economic conditions. Topics considered will include economic aggregates such as production and employment, the general level of prices and inflation, the exchange rate, interest rates, monetary and fiscal policies, the balance of payments and economic growth. Analysis is particularly directed to current macroeconomic problems and policy issues in Australia.

*Introduction to Micro-Economics in the Australian Context* seeks to understand the operation of the economy. It provides a practical understanding of the core economic principles that explain why
individuals, companies and governments make the decisions they do, and how their decision-making might be improved to make best use of available resources. Topics include the theory of perfectly competitive markets, welfare analysis and the role of government in the economy, theory of the firm (production and costs), game theory, and effects of market structure on resource allocation.

The third module, *The Australian Budget*, provides participants with a practical understanding of the principles and processes involved in government budgeting and financial decision-making. Overall, the module seeks to evaluate the key analytical tools used in budgeting and finance and provide participants with a rudimentary knowledge of the budgetary process in Australia.

**STATISTICS FOR GOVERNMENT**

*Statistics for Australian Government* will introduce the concepts required to understand Australian Bureau of Statistics (ABS) economic, social and environmental data. This includes an understanding of the ABS System of National Accounts (including the satellite framework, the System of Integrated Environmental and Economic Accounting); labour force data; prices data; demographic data from the latest census; social data; and regional statistics. The unit investigates the concepts and frameworks that define each of these areas, the main data sources and publications in each of these areas, how these data sources are derived (including a brief discussion of the differences between Census, Survey and Administrative data), and how to access the data from the ABS website.
GRADUATE CERTIFICATE IN ECONOMICS

TEACHING AND LEARNING METHODS

IGPA's education programs are characterized by nine key features of design and delivery:

1. a philosophy of co-design with departmental stakeholders is used throughout the learning process ensuring strong alignment with departmental needs;
2. all programs are underpinned by high quality research on 'what works';
3. occupational skills are embedded through problem-solving teaching and learning methods including purpose built case studies, role plays and exercises and embedded through critical thinking;
4. the curriculum has strong comparative and international elements to distil leading thinking;
5. each delivery involves the development of an evidence base which can be deployed for other organisational needs;
6. programs are delivered in high quality bespoke executive facilities;
7. we use flexible modes of delivery to meet the needs of busy professionals in full-time work – in this case each unit can be delivered intensively over six days;
8. we utilise an advanced e-learning environment to provide on-line support in terms of course guidance materials, academic and practice-based materials, courses and assessments. This also allows for the creation of an evidence base in areas of key concern which can be deployed for other organisational needs; and
9. significantly, the Institute seeks to integrate the best of academia and the best of practice in high quality teaching teams to ensure that its programs are fit for purpose and provide thinking space for policy innovation.

LEARNING OUTCOMES

Students completing this program of study will be able to:

1. demonstrate an advanced, critical understanding of the main theoretical and policy debates within public and economic policy-making in Australia;
2. understand the machinery of Australian government;
3. communicate effectively in writing and speaking;
4. apply critical thinking skills to solve problems in public settings in a manner that will create public value; and,
5. engage in high quality, problem-solving oriented group work and complete complex group tasks in a timely and collegial manner.
THE COURSE TEAM

The Institute integrates the best of academia and the best of practice in high quality teaching teams to ensure that its programs are fit for purpose and provide thinking space for innovation. The academic members deliver core pedagogy and the practitioners help to tease out some of the indicative practice-based issues in problem-solving clinics.
Professor Chris Aulich is a specialist in public sector management. Chris was formerly a senior public servant working in education, sport and recreation and local government. Chris has been a regular contributor to ANZSOG’s Executive MPA and Pacific area programs and has a long and successful experience as a presenter of courses and units to graduates and senior managers, not only in Australia, but also in China, Bhutan, Singapore, Cambodia and the UK. He is the co-editor of four books on Australian government administration under Prime Ministers Howard, Rudd and Gillard, the *Australian Handbook of Public Sector Management*, as well as numerous other academic publications.

Professorial Fellow Bill Burmester is the former Deputy Secretary of DEST and DEEWR and a specialist in the area of education policy, implementing public policy and policy coordination. Bill is the Institute’s Director of Professional Engagement and ensures that our research and professional development programs are relevant to the needs and aspirations of the contemporary Australian and ACT public services.

Patrick Dunleavy has just been appointed as the Institute’s latest Centenary Professor. He is currently Professor in Public Policy at the London School of Economics and Director of the LSE Public Policy Group. Patrick became a (founding) member of the Academy of the Social Sciences in 1999 and was awarded a Political Studies Association (PSA) Special Recognition Award in 2012 and the ‘Political Scientists Making a Difference Award’ in 2013. Patrick set up LSE blogs which won the 2012 Times Higher Education award for delivering powerful social science. On 25 January 2012, the LSE Public Policy Group under Dunleavy was jointly named the world’s fourth-best university think tank in a global survey. The rankings, in the annual report of the Think Tank and Civic Society Program of the University of Pennsylvania, compared more than 5,300 think tanks from 120 countries. His blog, British Politics and Policy at LSE, is the highest-ranked university blog in the UK and the second-most read economics blog in the country.
Professor Mark Evans is the Director of the Institute. He is a specialist in the study of governance and policy analysis. Before taking up this role he was Head of the Department of Politics at the University of York in the United Kingdom (2000-2009) and the founder of the York MPA Program. Mark has acted as a senior policy advisor, delivered training and managed evaluation projects in over 26 countries. Recent commissioned research projects in Australia include evaluations of Austrade’s integrity systems (2011), the National Water Commission (2011-12), DEEWR’s ‘Home to Work’ program (2012), ‘Women and Leadership in the APS’ (2013) and the ACT’s ‘Strengthening Services for Vulnerable Families’ program (2013). Internationally, he has just completed an evaluation for the United Nations Development Program on “Opportunities and Challenges for the Reform of Public Administration Arising from the Arab Transitions” (2014). He is currently working with the Museum of Australian Democracy on the new ‘Power of 1 Voice Exhibition’ and is evaluating the Tackling Indigenous Smoking and Healthy Lifestyles Program for the Department of Health. Mark is the author, co-author or editor of 23 books in his field and has been the editor of Policy Studies since 2005. He has been awarded honorary positions with the universities of Bath, Renmin, York and Hull.

Meredith Edwards AM is Emeritus Professor at the University of Canberra and an Academic Fellow at IGPA. She is an economist who has been a lecturer, researcher, policy analyst and administrator through her career. For over a decade, she advised on major policy issues and was Deputy Secretary of the Department of Prime Minister and Cabinet. She served as Deputy Vice-Chancellor of the University of Canberra from 1997 to 2002. Meredith’s publications include Public Policy: From Problem to Practice and Public Sector Governance in Australia. She is Chair of the Board of the Closing the Gap Clearing House, member of the ANPHA Research Advisory Committee and a member of the United National Committee of Experts on Public Administration.
Associate Professor Paul Fawcett joined the Institute for Governance and Policy Analysis in July 2013 from the Department of Government and International Relations at the University of Sydney. He has been a Visiting Fellow at the Department of Political Science at the University of Copenhagen and the Research School of Social Sciences at the Australian National University. Paul’s principal research interests lie in the changing nature of state-society relationships and their effect on governance, executive politics, public service reform, democratic governance and political participation in formal decision-making arenas. He has used these interests to examine institutional and policy reform in central government, changing forms of political participation, policy transfer and the branding of public policy. He has published in journals such as *Government and Opposition*, *Policy & Politics*, *The Australian Journal of Political Science*, *Policy Studies*, *Political Studies Review* and *The Australian Journal of Public Administration*. Paul is currently Associate Editor (Australasia) for the journal, *Policy & Politics*.

Dr Ben Freyens’ research interests include modelling the effects of employment protection laws, optimal allocation of radio spectrum, and poverty and inequality measurement. He has published in highly reputable international journals such as *Industrial and Labor Relations Review*, *Review of Economics and Statistics*, *Telecommunications Policy*, *Information Economics and Policy*, *Journal of Public Economic Theory*, and in Australia’s *The Economic Record*. At the University of Canberra he teaches labour economics, environmental economics and economics for managers. He has conducted several research projects for the Australian Communications and Media Authority. In his earlier working life, he was a statistical expert at Eurostat, Luxembourg, and taught economics at Deakin University, at the University of New South Wales and at the University of Wollongong.
Professional Fellow Michelle Grattan AO is one of Australia’s most respected and awarded political journalists. She has been a member of the Canberra parliamentary press gallery for more than 40 years. As a former editor of *The Canberra Times*, Michelle was also the first female editor of an Australian daily newspaper. She has been with *The Australian Financial Review*, *The Sydney Morning Herald* and Political Editor of *The Age* since 2004. Michelle currently has a dual role as a Professional Fellow at the University of Canberra and as Associate Editor (Politics) and Chief Political Correspondent at *The Conversation*. She is the author, co-author and editor of several books.

Dr Xiaodong Gong joined the Institute in March 2011. Xiaodong has published in International and Australian journals such as *Journal of Human Resources, Journal of Econometrics, Journal of Applied Econometrics, Economic Development and Cultural Change, The Economic Record* and many other reputable journals. His work includes modelling labour supply, tax and transfer policy, childcare, labour mobility, child development and education, and household consumption. Prior to joining the Institute, Xiaodong has worked at the Institute for the Study of Labour (IZA) in Germany, The Australian National University, and the Australian Treasury.

Virginia Haussegger is an Adjunct Professor at the Institute and a communications specialist. She is an award winning journalist, author and commentator whose extensive media career spans more than 20 years. Her work has taken her around the world, reporting for Australia’s leading current affairs programs, including Channel 9 (A Current Affair), the 7 Network (Witness) and ABC TV news in Canberra. As a columnist and feature writer she is widely published across Australian media outlets. Her book *Wonder Women: the myth of ‘having it all’* was launched by Julia Gillard in a live broadcast at the National Press Club.
Professor David Marsh has extensive experience of qualitative research into governance issues, focusing on work on policy transfer, policy success and citizen engagement. In this research, he has utilised a variety of research methods, both quantitative and qualitative, with a particular focus on how different methods are combined. He has led five large research projects, funded by the ESRC in the UK and ARC here, demonstrating the capacity to oversee and coordinate groups of researchers. His publication record is impressive, with 10 books or edited books and over 120 articles and book chapters; three of which have more than 1,000 citations each. From 2008-2011 he was Director of the Research School of Social Science at ANU. He has experience in both the UK and Australia in working closely with the public service, with a focus on improving public policy making.

Paul Porteous is a Professional Associate at the Institute and has been both Visiting Faculty and a Fellow at Harvard Kennedy School where he received the “Dean’s Award for Excellence in Student Teaching”. Paul’s extensive experience includes work as a senior diplomat and international lawyer, representative to numerous international organisations including the United Nations and International Court of Justice, and as a consultant in the United States, South East Asia, Middle East, Europe, China and Africa. From 2005-2009, Paul was Senior Adviser to the President of Madagascar developing cutting edge leadership practice for nation building and the alleviation of poverty. Paul also has extensive experience working in the Australian Federal government.

Adjunct Professor Tu Pham PSM has over 30 years of experience in public administration in Australia at both the Federal and State/Territory government levels. In particular, she has an excellent reputation for her work in public finance and in promoting and ensuring efficiency, effectiveness and accountability in the public sector. Tu was the former Auditor-General for the Australian Capital Territory (ACT) from March 2004 to March 2011 and before that she held a number of senior executive roles in the ACT public service, including Commissioner for ACT Revenue and Deputy Chief Executive of ACT Treasury. During her career, Tu also participated in high-level inter-governmental committees on tax and financial reforms, and served on a number of government statutory boards.
Professional Associate Mick Shadwick has extensive experience with the Australian Government, including in the Australian Treasury and the Department of Finance and Deregulation. With the Treasury, he undertook public policy development, advising and implementation functions in the areas of taxation, microeconomics, foreign investment, fiscal policy and budgeting, balance of payments and international economics. His work in the Budget Group of Finance included the oversight of and advising on financial management, budgeting and the expenditure practices of the Department of Defence and the intelligence and security agencies in the context of the Commonwealth Budget. Mick has extensive overseas experience in providing advice to developing countries, including some emerging from conflict situations.

Mick Shadwick

Gerry Stoker holds a joint appointment as Professor of Politics and Governance at the University of Southampton and at the Institute. Gerry’s main research interests are in governance, democratic politics, local and regional governance, urban politics, public participation and public service reform. He has authored or edited over 25 books and published over 80 refereed articles or chapters in books. Gerry was the founding Chair of the New Local Government Network which was awarded the prize for UK think tank of the year in 2004. His book ‘Why Politics Matters’ won the 2006 book of the year award from the Political Studies Association of the UK and he was awarded an ESRC Professorial Fellowship from 2004-8. Gerry was elected to the Academy of the Social Sciences (UK) in 2010. His latest books are Prospects for Citizenship and Nudge, Nudge, Think-Think: Experimenting with ways to change Civic Behaviour (both London: Bloomsbury Academic).

Diane Stone is Professor of Governance at the Institute. From 2004 to 2012 she was Professor of Public Policy at Central European University (CEU) in Budapest and a European Commission Marie Curie Chair (2004-08) where she was also the founding professor of public policy. Diane also led the graduate degree programs including the architect of the Erasmus Mundus dual degree consortium funded by the European Commission for five years from 2007. From late 2010 to mid 2013 she was Winthrop Professor in Politics and International Relations at the University of Western Australia. In 2012 Diane was elected a Fellow of the Academy of Social Sciences in Australia. She was a Fulbright Fellow at Georgetown University Public Policy Program in 1991 (now known as the McCourt School of Public Policy). She is also a Fellow of the Salzburg Seminar.

Diane Stone

Gerry Stoker holds a joint appointment as Professor of Politics and Governance at the University of Southampton and at the Institute. Gerry’s main research interests are in governance, democratic politics, local and regional governance, urban politics, public participation and public service reform. He has authored or edited over 25 books and published over 80 refereed articles or chapters in books. Gerry was the founding Chair of the New Local Government Network which was awarded the prize for UK think tank of the year in 2004. His book ‘Why Politics Matters’ won the 2006 book of the year award from the Political Studies Association of the UK and he was awarded an ESRC Professorial Fellowship from 2004-8. Gerry was elected to the Academy of the Social Sciences (UK) in 2010. His latest books are Prospects for Citizenship and Nudge, Nudge, Think-Think: Experimenting with ways to change Civic Behaviour (both London: Bloomsbury Academic).
Professor Robert Tanton has extensive experience both as a statistical consultant to APSC work, and as a project manager. He has extensive knowledge of wellbeing and adaptive capacity in communities which can be adapted to look at wellbeing in APS organisations. Rob can use innovative statistical techniques like multi-level modelling, factor analysis and path analysis to summarise and model quantitative and qualitative data. He is also an experienced project manager, managing several large projects at the Institute and with the Public Service. These projects included the 2001 SEIFA indexes for the ABS; and a large $1Mn Linkage grant.