THE UNIVERSITY OF THE WEST INDIES, MONA

ECON6016: Development Economics II

Semester II, 2018-19
Pre-requisites: ECON6032 or approval of lecturer

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Description

In this course you will use the content you were exposed to in ECON6032 to assess the implications of threats to traditional and even neo-liberal developmental thought that have the power to fundamentally alter the long-term development and economic strength of a nation. Emphasis will be placed on small island states due to the absence of such analysis for these countries. **The main focus is the concept of RESILIENCE in contrast to the conventional focus on vulnerabilities**.

Students will work largely in groups to conceptualise options/strategies/policy adjustments that countries can consider as they plan for these contingencies. This is therefore a course that focuses on reading, writing, critiquing and critical thinking. As a result, **all** students in this course are **required** to **read ahead** of class and tutorials as this will enable you to develop complex thoughts in relation to the various issues.

Students must ensure that the UN Sustainable Development Goals, National Development Plans and all other relevant policy documents are included in their reading, analyses and writing for this course. Failure to do so will be penalized.

Learning Outcomes.

Upon successful completion of the course, the student should be able to:

- Identify and conceptualise non-traditional contingencies that imply windfall impacts on development
- Explore or suggest the development of appropriate, broad-based metrics to assess the preparation for and impact of these contingencies on the development trajectory of a country (focus on small island developing states)
- Develop analytic frameworks to explore and distinguish between the concepts of vulnerability, exposure, resilience and risk in broad, integrated ways beyond the traditional economic concepts
- Infuse and integrate social, environmental, governance and technological concerns and considerations in their policy analyses and recommendations
- Explore the positive role of individuals, private sector, faith based organisations, community organisations and governments play in supporting resilience
- Integrate a gendered approach in their consideration of resilience and vulnerability
- Chart a course of action to address these issues

Modes of Delivery

One two-hour brainstorming/idea-mapping session per week and one one-hour seminar discussion beginning week 3 of teaching. Students will be assigned to present papers and contribute to discussions during and where time tutorials will be used as consultation periods to facilitate progress on written assignments. The seminar period will be used periodically to facilitate special lectures.

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Assessment

1. **(Group – based; 5 pages each)** Case Studies **30%**
2. **(Group - based)** 30 minute Lecture **30%**
3. Conference Paper **40%**
    a. Proposal (10%)
    b. Presentation (10%)
    c. Final Paper (20%)

NB. No late assignments will be accepted.

Please ensure that all your work in this course reflects the concept of resilience, the infusion of gender-sensitive concepts and concerns for SIDS. Without these concepts your work will receive a basic pass mark.

Course Plan

Background Reading

- ✓ Capital and Wealth in the 21st century, David N Weil, NBER Working Paper 20919
- ✓

Section One Defining and deliberating on Resilience

- ✓ From Vulnerability to Resilience: The Adaptation Continuum by Phil O"Keefe, Geoff O"Brien*, Zaina Gadema http://nrl.northumbria.ac.uk/9432/4/The_Adaptation_Continuuum_Final_Draft_%283%29.pdf
- ✓ Chapter 2 Review of Resilience Conceptual and Assessment Issues Sandra Prince-Embury
- ✓ Coaching for leadership resilience: An integrated approach. Carmelina Lawton Smith International Coaching Psychology Review March 1, 2017 http://web.b.ebscohost.com.rproxy.uwimona.edu.jm/ehost/pdfviewer/pdfviewer?vid=0&sid=3973a8cd-1795-4b27-abf2-2dc705aceba8%40sessionmgr102
- ✓ Urban resilience in extreme events: Analyzing online news and Twitter use during the 2016 Jakarta terror attack Uuf Brajawidagdaa, Christopher G. Reddickb,∗and Akemi Takeoka Chatfieldc
- ✓ Defining disaster resilience: comparisons from key stakeholders involved in emergency management in Victoria, Australia by Natassia Goode, Paul M. Salmon, Caroline Spencer, Dudley McArdle, and Frank Archer
- ✓ Managing Risk and Resilience: From the Editors by Gerben VAN DER VEGT, Peter ESSENS, Margareta WAHLSTROM, Gerard GEORGE http://ink.library.smu.edu.sg/cgi/viewcontent.cgi?article=5743&context=lkcsb_research
- ✓ Conceptualizing and Measuring Resilience A Key to Disaster Loss Reduction by KATHLEEN TIERNEY AND MICHEL BRUNEAU http://onlinepubs.trb.org/onlinepubs/trnews/trnews250_p14-17.pdf

- ✓ Sutcliffe, K.M. & Vogus, T.J. (2003). Organizing for Resilience. In Cameron, K., Dutton, J.E., & Quinn, R.E. (Eds.), Positive Organizational Scholarship. San Francisco: Berrett-Koehler. Chapter 7 pp: 94-110 http://cpor.org/ro/sutcliffe-vogus%282003%29.pdf
- ✓ Understanding Community Resilience in the Context of National Health Security A Literature Review ANITA CHANDRA, JOIE ACOSTA, LISA S. MEREDITH, KATHERINE SANCHES, STEFANIE STERN, LORI USCHER-PINES, MALCOLM WILLIAMS, DOUGLAS YEUNG https://www.rand.org/content/dam/rand/pubs/working_papers/2010/RAND_WR737.pdf
- ✓ VULNERABLE OR RESILIENT? A MULTI-SCALE ASSESSMENT OF CLIMATE IMPACTS AND VULNERABILITY IN NORWAY by KAREN O'BRIEN, LINDA SYGNA, and JAN ERIK HAUGEN, http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.200.2404&rep=rep1&type=pdf
- ✓ Measuring Resilience to Natural Hazards: Towards Sustainable Hazard Mitigation by Jae Heon Shim 1 and Chun-Il Kim
- ✓ Urban Hazard Mitigation: Creating Resilient Cities David R. Godschalk http://research.arch.tamu.edu/media/cms_page_media/3494/Godschalk_urbanhazardmitigation.pdf
- ✓ What is resilience? http://www.cambridgeblog.org/wp-content/uploads/2012/10/Resileince-Introduction.pdf
- ✓ Urban Resilience and the recovery of new Orleans http://cstl-cla.semo.edu/wmiller/ps691/Campanella.pdf
- ✓ What Predicts Psychological Resilience After Disaster? The Role of Demographics, Resources, and Life Stress https://pdfs.semanticscholar.org/c93d/5e34eb3aec324f720804de0e73502d1d162c.pdf

Section Two CLIMATE RISKS & NATURAL HAZARDS

Readings:

- ✓ Swiss Re Economics of Climate Adaptation (ECA) – Shaping climate-resilient development A framework for decision-making https://www.preventionweb.net/files/22132_economicsofclimateadaptationindiafa.pdf
- ✓ A Report of the Economics of Climate Adaptation Working Group Shaping Climate Resilient Development – A framework for decision-making, http://media.swissre.com/documents/rethinking_shaping_climate_resilent_development_en.pdf
- ✓ ECLAC. (2010). Regional Climate Modeling in the Caribbean. https://www.cepal.org/publicaciones/xml/2/39862/lcarl.265.pdf
- ✓ Caribbean Development Report Volume III The Economics Of Climate Change In The Caribbean, United Nations Economic Commission For Latin America And The Caribbean Subregional Headquarters For The Caribbean https://www.cepal.org/publicaciones/xml/2/45412/LCARL.346.pdf
- ✓ 2010 - 2011 Review of the Economics of Climate Change (RECC/ECLACC) - Caribbean Community Climate http://caribbeanclimate.bz/closed-projects/2010-2011-review-of-the-economics-of-climate-change-recc-eclacc/pdf.html
- ✓ Parliament Americas Climate Change http://www.parlamericas.org/en/climate-change/events.aspx
- ✓ The economics of climate change in Latin America and the Caribbean Paradoxes and challenges http://www.euroclima.org/images/Publicaciones/Cepal/ClimateChangeEconomyinLA2.pdf
- ✓ UNECLAC Research Papers: Health, Agriculture, Energy, Tourism, Water

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Section Three Health

- ✓ Dengue in a changing climate, K. Ebi and J Nealon, *Environmental Research 151 (2016) pp 115 – 123*
- ✓ Methodological issues in the study of climate and gastroenteritis, A. Butler and G. Hall, *Earth and Environmental Science 6 (2009)*
- ✓ Demonstration of successful malaria forecasts for Botswana using an operational seasonal climate model, D. MacLeod, *Environmental Research Letters 10*
- ✓ The emergence of epidemic dengue fever and dengue hemorrhagic fever in the Americas: a case of failed public health policy, *Duane Gubler, Pan American Journal of Public Health 17(4) 2005*
- ✓ Health risks of warming of 1.5 and 2 degrees Celsius and higher above pre-industrial temperatures, Kristie L Ebi et al, *Environmental Research Letters 13*
- ✓ Climate Change and Human Health – Risks and Responses, WHO WMO and UNEP
- ✓ The Economics of Population Aging, David Neil (Brown University, Ch 17)
- ✓ How Ethiopia achieved Millennium Development Goal 4 through multisetoral interventions: A countdown to 2015 case study, Jenny Ruducha et al Lancet Global Health 2017 5:e1142-51
- ✓ Why health matters for economic performance, Joann Wilkie and Adam Young
- ✓ Health and Economic Growth, David N. Weil, Chapter 3 Handbook of Economic Growth Vol 20
- ✓ Economic Growth and the Dynamics of Health Care Systems: The Experience of Three East Asian Countries and the implications for China's Health Care Reform, Chee – Ruey Hsieh, Duke Global Health Institute
- ✓ Estimating the cost of vaccine development against infectios diseases: a cost minimization study, Dimitrios Googlas et al, Lancet Global Health 2018
- ✓ Financing the Future: Choices and challenges in global health, The Economist Intelligence Unit
- ✓ Health and the Economy: The Impact of Wellness on Workforce Productivity in Global Markets, A Report to the US Chamber of Commerce's Global Initiative on Health and Economy, Bruce Rasmussen, Kim Sweeny and Peter Sheehann
- ✓ Why Investing in health is critical for achieving economic development goals, A compilation of articles from finance and Development
- ✓ Health and Economic Development: Evidence from the Introduction of Public Health Care by Anthony Stritmatter and Uwe Sunde, IZA DP No5901
- ✓ High Quality health systems in the Sustainable Development Goals era: time for a revolution, Margaret E Kruk et al, The Lancet Global Health Commission on High Quality Health Systems in the SDG era
- ✓ Investing in Health: The Economic Case, Report of the WISH Investing in Health Forum 2016
- ✓ Measuring health and economic wellbeing in the Sustainable Development Goals ear: development of a poverty-free life expectancy metric and estimates for 90 countries.
- ✓ Monitoring universal health coverage within the Sustainable Development Goals: development and baseline data for an index of essential health services, Daniel Hogan et al Lancet Global Health 2018
- ✓ Public Spending on Education, Health Care and Economic Growth in selected countries of Asia and the Pacific, Biswajit Maitra and C K Mukhopadhyay, Asia Pacific Development Journal 19 (2) December 2012
- ✓ How Social and Economic Factors affect health, County of Los Angeles Public Health, January 2013
- ✓ The Economic Impact of Improvements in Primary Healthcare Performance, CHSRF, 2012

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- ✓ UNLOCKING THE ECONOMIC POTENTIAL OF THE HEALTH SECTOR IN Latin America Collaborative Win-Win Approaches for Sustainability, April 2018
- ✓ When Does improving health raise GDP? , Q. Ashraf, A. Lester, and David Weil, April 2009

Other Resources

Possible Data Sources

- ✓ Environmental Vulnerability Index
- ✓ Global Competitiveness Index
- ✓ Transparency Index
- ✓ Political Freedom Index
- ✓ Human Rights Index
- ✓ MDGs
- ✓ National Development Plans
- ✓ Poverty levels
- ✓ Access to sanitation
- ✓ Access to drinking water
- ✓ Access to telecommunication services
- ✓ Road infrastructure
- ✓ Cybercrimes
- ✓ Good Practice Guidelines for Indicator Development and Reporting https://www.oecd.org/site/progresskorea/43586563.pdf

Documents

- Debraj Ray, *Development Economics, 2011*, Princeton University Press
  - Chapter 6 Excerpt http://faculty.ucr.edu/~jorgea/econ184/debraj.pdf
- Debraj Ray, *Development Economics*, March 2007. Prepared for the New Palgrave Dictionary of Economics, edited by Lawrence Blume and Steven Durlauf. http://www.econ.nyu.edu/user/debraj/Papers/RayPalgrave.pdf
- Gerald Meier and James Rauch, *Leading Issues in Economic Development*, The Free Press, New York, 1993. http://weber.ucsd.edu/~jrauch/leadingissues/leading.pdf
- Nicholas Stern, A strategy for development, http://siteresources.worldbank.org/INTABCDEWASHINGTON2001/Resources/stern1.pdf
- USC Library's Guide to Case Study Writing http://libguides.usc.edu/writingguide/casestudy
- Penn State Shreyer Institute Case Writing Guide https://www.schreyerinstitute.psu.edu/pdf/CaseWritingGuide.pdf

Resilience Bibliography

All One Sky Foundation. (2014). *Climate Resilience for Alberta Municipalities.*
ARUP. (2015). City Resilience Index.
Bradette, L. (2017). Developing a Resilience Strategy for Montreal. *IMFG Presentation.*
Briguglio, L., Cordina, G., Bugeja, S., & Farrugia, N. (2005). Conceptualizing and Measuring Economic Resilience.
Briguglio, L. (2014). *A Vulnerability and Resilience Framework for Small States.*

Brown, D. (2009). Good Practice Guidelines for Indicator Development and Reporting. *Third World Forum on Statistics, Knowledge and Policy.* Busan.

Cappell, E. (2017). Toronto's Resilience Strategy - Preliminary Resilience Assessment. *IMFG Presentation.*

Caribbean Disaster Emergency Management Agency. (2014). *Regional Comprehensive Disaster Management (CDM) Strategy and Results Framework 2014 – 2024.*

Chang, S., Yip, J., van Zijil de Jong, S. L., Chaster, R., & Lowcock, A. (2015). Using Vulnerability Indicators to Develop Resilience Networks: A Similarity Approach. *Natural Hazards*, 1827-1841.

Cox, R. (2015). *Measuring Community Disaster Resilience: A Review of Current Theories and Practices with Recommendations.* Ministry of National Defence.

Cox, R., & Hamlen, M. (2015). Community Disaster Resilience and the Rural Resilience Index. *American Behavioral Scientist*.

Duijnhoven, H., & Neef, M. (2014). Framing Resilience. From a Model-based Approach to a Management Process. *Fourth Conference on Building Resilience.*

ECLAC. (2010). Regional Climate Modeling in the Caribbean.

ECLAC. (2011). *Study on the Vulnerability and Resilience of Caribbean Small Island Developing States (SIDS).*

FAO. (2012). *Resilience Index Measurement and Analysis (RIMA).* Retrieved from www.fao.org/3/ai4102e.pdf

FM Global. (2016). *Resilience Index Annual Report 2016.*

Group of Specialists on Mainstreaming EG-S-MS. (1998). *Gender Mainstreaming – Conceptual Framework, Methodology, and Presentation of Good Practices.* Strasbourg: Council of Europe.

IMF. (2016, December). Small States' Resilience to Natural Disasters and Climate Change – Role of the IMF. *IMF Policy Paper*. Retrieved from https://www.imf.org/external/np/pp/eng/2016/110416.pdf

Irwin, S., Schardong, A., Simonovic, S. P., & Nirupama, N. (2016). ResilSIM – A Decision Support Tool for Estimating Resilience of Urban Systems. *Water*.

Jackson, R. (2014). Building Resilience to Disaster Risk and Climate Change in the Caribbean.

Manandhar, R., & McEntire, D. A. (2014). Disasters, Development and Resilience: Exploring the Need for Comprehensive Vulnerability Management". Pg. 19-37. In . . In N. Kapucu, & T. Liou, *Disaster and Development: Examining Global Issues and Cases* (pp. 19-37). New York: Springer.

Miola, A., Paccagnan, V., Papadimitriou, E., & Mandrici, A. (2015). Climate Resilient Development Index: Theoretical Framework, Selection Criteria and Fit-for-purpose Indicators, 2015, . *JRC Science and Policy Reports*. EU.

Monjane, G. (2015). Workshop on Gender Mainstreaming in the Extractive and Energy Sector in Mozambique – Energy Technology knowledge transfer to Empower Women.

Palekiene, O., Simanaviciene, Z., & Bruneckiene, J. (2015). The Application of Resilience Concept in the Regional Development Context. *20th International Scientific Conference Economics and Management*, (pp. 179-184).

Prior, T., & Hagmann, J. (2012). *Measuring Resilience: Benefits and Limitations of Resilience Indices.* Zurich.

Rose, A., & Krausmann, E. (2013). An Economic Framework for the Development of a Resilience Index for Business Recovery. *International Journal of Disaster Risk Reduction,*, 73-83.

Simonovic, S. (2016). From Risk Management to Quantitative Disaster Resilience – A Paradigm Shift. *International Journal of Safety and Security Engineering, 6*(2), 85-95.

Simonovic, S. P., & Peck, A. (2013). Dynamic Resilience to Climate Change Caused Natural Disasters in Coastal Megacities Quantification Framework. *British Journal of Environment and Climate Change*, 378-401.

Simpson, L. A. (2015). Developing Climate Resilient Agricultural Practices in Jamaica. *Harvest the Future International Symposium.*

Subcommittee on Disaster Reduction. (2008). *Grand Challenges for Disaster Reduction Implementation Plan: Technological Disasters.*

Swanson, D., & Roy, D. (2014). The Adaptive Design and Assessment Policy Tool (ADAPTool) for Creating New Policies. International Institute for Sustainable Development.

Swanson, D., Hiley, J., David Venema, H., & Grosshans, R. (2007). The Prairie Climate Resilience Project. *IISD Working Paper*.

The Royal Society. (2012). Building Resilience to Disasters of Natural and Technological Origin. *G-Science Academies Statement*.

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The World Bank. (2010). *Natural Hazards, Unnatural Disasters - The Economics of Effective Prevention.*
Trbovc, J. M., & Hofman, A. (2015). Toolkit for Integrating Gender-Sensitive Approach into Research and Teaching. *Garcia Working Paper,*. University of Trento.
Tsakiris, G., & Spiliotis, M. (2012). Applying Resilience Indices for Assessing the Reliability of Water Distribution Systems. *Water Utility Journal*, 19-27.
UNISDR, UNDP and IUCN. (2009). *Making Disaster Risk Reduction Gender-Sensitive – Policy and Practical Guidelines.* Geneva.
United Nation. (2002). *Gender Mainstreaming An Overview.* New York.
United Nations. (2001). *Important Concepts Underlying Gender Mainstreaming.*

Minimum Requirements for Course Assessments

a. Cover Page – this should have the title, abstract, JEL codes for your topic, Author information
b. Table of Contents – this can be generated automatically if you use the headings available in Microsoft Word See http://www.youtube.com/watch?v=4N8mjfpAd8w for a demonstration
c. Introduction – clear introduction the content of the paper AND indication of the structure of the paper
d. Analytical Section 1: Literature Review – this section must clearly outline what the literature has/has not addressed in relation to the issue you have researched
e. Analytical Section 2: This section might include any data and analytical work you have collected and assessed that support your perspective
f. Conclusion
g. References – As per academia, all references used in the text must be presented in the reference list in alphabetical and chronological order See http://www.youtube.com/watch?v=MKco-0ye3yg for a demonstration of automatic referencing in Microsoft Word. ***Students are reminded that whilst Wikipedia and other "edia's" may be used at the nascent stages of research, they are not regarded as academic references and work submitted using these sources will be considered inadequate for grading at the graduate level.***
h. Appendices – these must ONLY be used if they are referred to in the text, otherwise cut them

Assessment Criteria for All Assignments: Written and Oral

	Low				**Avg.**					**High**	**RW**
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	
Content											
1.Submission responds **fully** to the assignment											**3**
2.Economic issues are described **clearly and correctly**											**15**
3.Appropriate data is **collected/collated and organized**											**15**
4.Effective use of charts/tables											**15**
5.Evaluation is supported by the analysis											**15**
6.Overall assessment of content											**25**
Writing quality, grammar, spelling											
7.**Sentence structure** is good											**3**
8.**Proper use** of punctuation											**3**
9.**Absence** of spelling errors											**3**
10.Appropriate diction for academic writing											**3**
TOTAL SCORE											**100**

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It is recommended that everyone in the course (this **includes** those who have gotten a 1 in CXC English, a 1 in CAPE English, and passed the ELPT with flying colours) visit and study the content in the following websites in relation to academic. The content therein is useful even if you are 'only doing a power-point presentation'.

1. Mount Holyoke College's Writing Resources (if you click around you can also find speaking and arguing resources) https://www.mtholyoke.edu/saw/writing
2. The University of Toronto at Scarborough's Assignment Calculator - https://ctl.utsc.utoronto.ca/assignmentcal/
   Each student is required to use this tool.
3. The University of Ottawa's Essential Guide to Academic Writing http://www.sass.uottawa.ca/writing/undergraduate/essentials-academic-writing.php
4. Sacramento State University's Writing across the Curriculum Guide http://www.csus.edu/wac/WAC/Students/research_guide.html
5. Of course, a youtube guide: https://www.youtube.com/watch?v=i8Inz-DAAow

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