INTERNATIONAL MONETARY FUND

IMF Institute for Capacity Development (ICD)/ Joint Vienna Institute (JVI)

Course on Vulnerability Diagnostics (JV16.13)

Vienna, Austria

May 23-June 3, 2016

Program¹

Monday, May 23		
9:00 a.m.– 9:20 a.m.		Administrative Briefing Mr. Alexander Prostimkin Joint Vienna Institute (JVI)
9:20 a.m. – 9:30 a.m.		Opening Session Mr. Martin Schindler, Deputy Director, JVI; Mr. Gianni De Nicolò, Senior Economist, IMF ICD; Mr. Maksym Ivanyna, Economist, JVI; Mr. Burkhard Drees, IMF Consultant.
9:30 a.m. – 10:00 a.m.		Initial Test
10:00 a.m. – 10:15 a.m.		Coffee Break
10:15 a.m. – 11:45 a.m.	L-0	Vulnerabilities and Crises <i>Mr. De Nicolò</i>
		 Macroeconomic stability and crises Vulnerabilities and crises Structure of the course
2:00 p.m. – 5:15 p.m.	Unit 1	Forecasting Methods for Tail Risks <i>Mr. De Nicolò</i>
	L-1	 Defining and measuring tail risks Logit models A signal approach: ROC analysis
	W-1	External Vulnerabilities and Currency Crises

¹ Unless otherwise stated, coffee breaks will be held from 10:30 a.m.–10:45 a.m. and from 3:30 p.m.–3:45 p.m.

Tuesday, May 24

9:00 a.m. – 12:15 p.m.	Unit 2	Fiscal Vulnerabilities I: Assessing Debt Sustainability <i>Mr. Ivanyna</i>
	L2	 Debt sustainability, debt crisis, and growth Deterministic DSA in closed and open economies Risk-based DSA
	W-2	Assessing debt sustainability: debt-stabilizing primary balance, IMF's approach to DSA
2:00 p.m. – 5:15 p.m.	Unit 3	Financial Vulnerabilities I: Taxonomy and Measurement of Financial Risks Mr. Drees
	L-3	 Taxonomy of financial risks Measurement of financial risks
	W-3	Measurement of risks and introduction to stress testing

Wednesday, May 25

9:00 a.m. – 12:15 p.m.	Unit 4 L–4	 External Vulnerabilities I: Bond Yields and Sovereign Default Risk Mr. Ivanyna 1. From fiscal distress to external crisis 2. Theory of sovereign default risk 3. Assessing risks in practice
	W-4	Explaining Sovereign Bond Interest Rates
2:00 p.m. – 5:15 p.m.	Unit 5	Financial Vulnerabilities II: Detecting Financial Fragility <i>Mr. De Nicolò</i>
	L-5	 Overview of stress testing Single-factor sensitivity analysis Identifying stress testing scenarios: a case study.
	W-5	Bank stress test

Thursday, May 26

9:00 a.m. – 12:15 p.m.	Unit 6 L–6	 Fiscal Vulnerability II: Short-term risks Mr. Ivanyna 1. Interest rate growth differential and public debt 2. Refined analysis of growth and interest rate shocks
	W-6	Refined analysis of growth and interest rate shocks
2:00 p.m. – 5:15 p.m.	Unit 7	External Vulnerabilities II: Current Account Imbalances <i>Mr. Drees</i>
	L-7	 Current account imbalances External balance assessment (EBA)
	W–7	External Balance Assessment (EBA)

Friday, May 27

9:00 a.m. – 12:15 p.m.	Unit 8	Financial Vulnerabilities III: Systemic Risk and Financial Cycles <i>Mr. De Nicolò</i>
	L-8	 Systemic risk Financial Cycles Measurement of Cycles
	W-8	Financial cycles and banking distress
2:00 p.m. – 5:15 p.m.	Unit 9	Fiscal Vulnerability III: Stochastic DSA <i>Mr. Ivanyna</i>
	L-9	 Stochastic DSA vs. deterministic DSA Main steps of stochastic DSA: estimating relationship between DSA inputs, fiscal reaction function, simulations
	W–9	Stochastic DSA

9:00 a.m. – 12:15 p.m.	Unit 10	External Vulnerability III: Reserve Adequacy <i>Mr. Drees</i>
	L-10	 FX Reserves: definition, composition and trends Analytics of reserve holdings Normative assessments of reserve holdings
	W-10	International Reserves Adequacy
2:00 p.m. – 5:15 p.m	Unit 11	Financial Vulnerability IV: Spillovers and Contagion <i>Mr. De Nicolò</i>
	L-11	 Assessing systemic linkages: network analysis Systemic risk measurement:VaR, CoVaR and ΔCoVaR
	W-11	VaR, CoVaR and Δ CoVaR

Tuesday, May 31		
9:00 a.m. – 12:15 p.m.	Unit 12	Fiscal Vulnerabilities IV: Long-term risks <i>Mr. Ivanyna</i>
	L-12	 Debt level and fiscal space Fiscal gaps: full account of government assets and liabilities Medium- and long-term fiscal adjustment needs
	W-12	Debt level thresholds; arithmetic of fiscal gaps and long- term adjustment needs
2:00 p.m. – 5:15 p.m.	Group Workshop	Case Studies: Preparation for Participant Presentations

Wednesday, June 1	

9:00 a.m. – 12:15 p.m.	Unit 13	The IMF Vulnerability Exercises <i>Mr. Drees</i>
	L-13	 Structure Overview of key methodologies Putting it all together
	W-13	Constructing a Vulnerability Index
2:00 p.m. – 5:15 p.m.	Group Workshop	Case Studies: Preparation for Participant Presentations
Thursday, June 2		
9:00 a.m. – 12:15 p.m.	Group Workshop	Case Studies: Preparation for Participant Presentations <i>Facilitated by counselors</i>
2:00 p.m. – 3:15 p.m.	Group Workshop	Case Studies: Preparation for Participant Presentations <i>Facilitated by counselors</i>
3:30 p.m. – 5.00 p.m.	O–1	Case Studies: Participant Presentations
5:00 p.m. – 5.45 p.m.		Final Test
Friday, June 3		
9:00 a.m. – 10:15 a.m.		Course Evaluation and Presentation of Certificates
10:30 a.m. – 12:00a.m.		JVI Annual Lecture Austria Finance Minister Shelling Fiscal Framework in Europe