

NEAL J. RAPPAPORT

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- **Career Highlights:**

- Department Head and Professor, Department of Economics and Geosciences, United States Air Force Academy
- PhD in Economics, Massachusetts Institute of Technology
- Consultant/Advisor in Iraq and Afghanistan; Senior International Economist, President's Council of Economic Advisors; Professor of Economics
- Active participant in numerous economics panels and discussions in and around the Colorado Springs area in support of (among other organizations) the Colorado Council of Economic Education
- Retired United States Air Force Colonel (O-6)

Academic Experience:

Full Time:

Visiting Professor, Department of Economics and Business, Colorado College, Colorado, Academic Year 2018-19

- Teaching courses in Mathematical Economics, Economic Development, Microeconomic Theory, and Principles of Macroeconomics

Professor, University of International Business and Economics (UIBE), Beijing, China, International Summer Session, 2018

- Taught Intermediate Microeconomics and Intermediate Macroeconomics to international and Chinese university students (300 level courses)

Visiting Professor, Department of Economics and Business, Williams College, Williamstown, MA; Academic Year 2017-2018

- Fall Courses: Financial Institutions and Policy (Sophomore-Junior (200) Level) and Mathematical Economics (Junior-Senior (300) Level)
- Spring Course: Principles of Macroeconomics (Freshman-Sophomore (100) Level)
 - Presentations on the role of economic analysis and economic development in the conflicts in Iraq and Afghanistan

Visiting Professor, Department of Economics and Business, Colorado College, Colorado

Springs, CO; Spring 2013—May 2016 and January 2017—March 2017

- Taught courses in Principles of Microeconomics; Principles of Macroeconomics, Intermediate Microeconomics, Intermediate Macroeconomics, Econometrics, International Economics, Money and Banking, and Economic Development
- Advised students on senior thesis research papers in Macroeconomics, Financial Economics and other economic sub-disciplines
- Presentations at academic events / seminars on
 - Chinese-African economic and political ties
 - Afghanistan economic development
 - Implications of reducing US defense presence in Europe
 - Combatting human trafficking and exploitation of vulnerable populations
 - Economic, political implications of the protest movement in Hong Kong
 - The economics of conflict
 - The strategic implications of the evolving energy market

Professor, Department of Economics & Geosciences, US Air Force Academy; July 2004—July 2011 (except for periods in Iraq, Afghanistan, and Washington DC)

Specialization: Quantitative courses in Microeconomics and Operations Research; courses involve extensive use of multi-variable calculus and mathematical modeling using Excel

Numerous teaching and research awards including the Academy's highest honor for Professors: Heiser Award, 2010—selected by graduating cadets as their most influential instructor during their four years

- Recognized expert on the Middle East and “Arab Spring.” Requested by Commanding General of USAFA to provide analysis and briefing to senior leadership
- Led Academy’s Community Outreach program building links among the Academy, local Governments, and business leaders
- Headed Department accreditation program during 10-year inspection by North Central Association of Colleges and Schools
- Served as external expert to the Department of Management during re-accreditation by Association to Advance Collegiate Schools of Business (AACSB)
- Led graduate school evaluation panels for programs for graduating cadets at Harvard, U of Maryland, RAND; member of panel for screening, mentoring, and evaluating candidates for Rhodes Scholarship
- Member of selection committee for graduates desiring acquisition career fields
- Frequent mentor in support of Cadet Honor and Disciplinary systems

Previous Academic Experience at the Department of Economics & Geosciences, US Air Force Academy, 1988-1991; 1998-2001

Courses taught:

Microeconomic Theory, Principles of Microeconomics, Principles of Macroeconomics, Mathematics for Economists, International Economics, Economics of National Security, Economics of Asia, Financial Markets, Financial Accounting, Managerial Economics, Operations Research, Calculus, and Geopolitics

Adjunct:

- **University of Colorado at Colorado Springs, College of Business**
 - Multiple years instructing economics at the Master's and Undergraduate levels at AACSB accredited institution
 - Course taught include: Microeconomics, Macroeconomics, International Finance, and Business Statistics
- **University of Maryland, University College**
 - Multiple times instructing college mathematics in a deployed combat environment
- **Nova Southeastern University, offsite seminars**
 - Instructed multiple times at offsite seminars to mid-career professionals pursuing Master's and Doctoral degrees in business
 - Courses taught included economic theory, finance, trade
 - These courses were taught while I was assigned full-time to the Pentagon

Non-Academic Professional Experience:

Consultant on project to assess, revise and implement curriculum revisions to the Military Academies of the United Arab Emirates; (UAE) Knowledge Point International, Abu Dhabi, United Arab Emirates; May 2016-December 2016

- On-site Subject Matter Expert on the academic requirements, curriculum integration and relations to military training at the Khalid bin Zayed Air College, UAE
 - Assessing current program for strengths and weaknesses in meeting the mission requirements of the UAE Air Force
 - Recommending changes to better align academic curriculum with military and cultural standards

- Developed strategy to incorporate Economics into the Political-Military planning process at the Ministry of Defense, UAE
 - Specifically asked to participate by senior policymakers

Economic Consultant on variety of quantitative and qualitative issues focusing on lost or foregone earnings. Ongoing

Consultant on Economic Development in Afghanistan and neighboring countries, February 2014 – November 2014

- Working with governmental and non-governmental clients on evaluating the economic viability of development projects to include
 - Electric power plants and distribution systems
 - Steel and mining operations
 - Venture Capital and Private Equity funds

Policy Advisor at Future Operations, ISAF Joint Command (IJC), Kabul Airport, Kabul, Afghanistan; November 2011 – November 2012

- Consultant on full range of security and economic issues concerning security, governance, and development in Afghanistan.
- Formulated military and security strategies for ISAF and ANSF forces to advance gains prior to transition in 2014
 - Campaign Plans and Strategies developed with Afghan Security Force partners and ISAF Regional Commands
 - Focus on counter-IED and other key security-enhancing operations
 - Structured assessment strategy for metrics of progress to plan and for 2014 security transition
- Focus on developing Small and Medium Enterprises (SMEs) using private sector funding—venture capital; government loans/grants; NGO grants
 - Particular emphasis on building Agricultural/non-Agricultural value chains; light industrial facilities
 - Designed and began implementing sustainable agricultural value chains in/near Kandahar—e.g. juice processing plants, export processing facilities
 - Spearheaded electrification projects for industrial parks in northern and southern Afghanistan
 - Links to power grids reduced production costs; led to business

development and expansion

- o Adviser to multiple organizations responsible for implementing and expanding private sector development
 - Agencies include: Task Force for Business and Stability Operations, Expeditionary Business Operations, USFOR-A, US Special Operations Forces and Afghan Investment Support Agency

- o Developed macroeconomic model estimating impact of potential changes in international assistance to Afghanistan over next several years
 - Results presented to US Government decision makers, International Monetary Fund, World Bank, etc.

- Performed mathematical and statistical analyses on Afghan force development; Customs and Border inspections and several other security-related topics
 - o Applied economic theories to plan setting forth IJC priorities for military operations and economic development
 - Ensured private sector growth focus of economic development

Adviser to the Commander of 4th Infantry Brigade, US Army, Jalalabad, Afghanistan; 2009-2010

- Formulated counter-smuggling strategies and developed alternative livelihood programs—e.g. locally-owned/staffed furniture factory
 - Funds reduced to criminals, insurgents; more money to local population

Adviser on project to develop Joint Vision for 20 years ahead, Joint Staff, the Pentagon, 2010

- Requested by Director CJ7 to write military, economic, and political vision for 20 years ahead to be reviewed by then CJCD
- Worked alongside military, civilian experts, think tanks, etc to produce document which discussed rise and impact of factors such as
 - o Non-state terrorist groups
 - o Global climate change
 - o Demographic impacts on security environment

Adviser to Commander, Multinational Force-Iraq, Baghdad, Iraq, 2008

- Personally worked with Commander on multiple occasions to formulate strategies

to increase Iraqi employment and reform Iraqi banking sector; more jobs, fewer insurgents

- Analyzed Baghdad business development zones
 - New investments in the so-called “International Zone”
 - New investments in “green fields” outside of central city
- Coordinated with Iraqi Ministers and Members of Parliament on privatization of industrial firms and reform of country’s social safety net
 - Ideas incorporated into legislation by Iraqi Parliament
- Developed multinational (US, UK, UN) and multiagency organization (Dept of Defense, US Treasury, US State Department) responsible for advising Iraqi Government on improving execution of multi-billion dollar Iraqi Government budget
 - Goals: Improve delivery of services to citizens with greater transparency

Joint Staff Director, Combined Security Transition Command-Afghanistan (CSTC-A), Kabul, Afghanistan, June 2006-June 2007

- Command responsible for training, equipping Afghan National Security Forces (Army and Police)
 - Directed 80 person joint (Army, Navy, Marines, Air Force) and coalition (Poland & Afghanistan) unit that developed plan for modernizing Afghan Army and Police
 - Programmed process which increased funding for program from \$2B to \$8B+ in order to accelerate development of Afghan forces by 1-2 years
 - More than 50,000 new soldiers and 20,000 new police trained and equipped
 - Presented program to senior DoD, NATO, and Congressional officials. Called “most influential” Director by Army Commanding General
 - Quantitative analysis of program’s risks, rewards, tradeoffs presented to Congress as part of deliberation process
 - Government on-site manager for major consulting firms including MPRI
 - Coordinated working relationships, tasks, and other issues for contractors working with US Government, Military, and Afghan officials
 - Developed exchange program for officers at USAFA to mentor and teach at the Afghan Military Academy in Kabul
 - Helped establish the first economics course at the Academy

Senior Economist for International Trade, President’s Council of Economic Advisers, Washington DC; May 2005 – July 2005

- Participated in trade policy discussions, including free-trade agreements and foreign investment policy
- Quantitative analysis of impact of proposed policies on various sectors of US economy

- Prepared presentation for President on pension issues confronting firms in aviation, automotive, steel, and tire industries

Military Strategist, Multinational Force-Iraq (MNFI), Baghdad, Iraq; August 2004-February 2005

- Led team formulating Counterinsurgency Strategy at critical time in war—aftermath of Abu Ghraib scandal
- Four-star General called strategy “cornerstone” for command in 2005

Defense and Air Attaché; Skopje, Macedonia and Pristina, Kosovo; 2002- 2004

- Represented US military in two post-conflict regions struggling with military, economic, and political development issues
- Worked alongside Embassy’s Economic and Commerce teams to bolster entrepreneurship in Macedonia
 - Accelerated vocational and English language training programs
 - Met with leading Government and Academic experts to discuss ways to encourage Foreign Direct Investment
 - Worked to encourage small and medium enterprises to begin exports to neighboring countries and markets
- Lectured and mentored at the Macedonian Military Academy in military and economics-related courses
 - Established relationship which led to exchange visits between US cadets and their Macedonian counterparts

Education:

Doctorate in Economics, Massachusetts Institute of Technology, 1994

- Sponsored by Air Force in preparation for further academic duties
- One of two students (out of 20+) to complete program in three years
- Focus area: Productivity and impact of technological change

Masters of Business Administration & Bachelor’s, University of Chicago

- Graduated with honors from both programs

Selected Publications & Presentations:

- *Price and Quality of Desktop and Mobile Personal Computers: A Quarter-Century Historical Overview*, (joint with E.R. Berndt) *American Economic Review*, 2001
- *Econometric Estimates of Prices in Indexes for Personal Computers in the 1990s*,

(joint with E.R. Berndt & Z. Griliches) *Journal of Econometrics*, 1995

- Presentation on computer price indices to annual meeting of American Economic Association, 2001
- *Afghanistan's Economy*, Oxford University (UK), Strategic Studies Group, 2009

Miscellaneous:

- Awarded Bronze Star Medal (nation's fourth highest combat medal) for notable accomplishment in Afghanistan
- Awarded National Intelligence Certificate of Distinction, 1998, by Director of Central Intelligence Agency for research work on North Korean economy, food production, distribution systems while assigned to the Joint Staff, the Pentagon
 - One of only 12 recognized by Director, CIA during that calendar year (and only Air Force member)
- Fluent in Macedonian; Conversant in Serbian, Croatian, Bulgarian, Spanish
- Security clearance vetted by US government and NATO
- References furnished upon request