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Operations and Logistics Management Brochure / 2013

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OPERATIONS AND LOGISTICS MANAGEMENT

“The line between disorder and order lies in logistics.” –Sun Tzu



GRADUATE SCHOOL OF
BUSINESS AND PUBLIC POLICY
NAVAL POSTGRADUATE SCHOOL



THE OPERATIONS AND LOGISTICS MANAGEMENT AREA WANTS TO PARTNER WITH YOUR COMMAND

Custom-Designed Education Programs

- We deliver focused week-long residential programs in our Monterey campus on supply chain management, lean six sigma, life-cycle materiel sustainment, and other logistics topics;
- We can design and deliver certificate courses in Logistics with transferable credits to the graduate program of your choice;
- We offer logistics-focused MBA programs in our Monterey campus or in distance learning mode.

Faculty-Advised Student Projects

- We execute high-profile student-driven faculty-advised projects on many logistics topics relevant to the DOD and the Federal Government in a short deadline.

Faculty-Led Sponsored Research

- Our award winning faculty can perform rigorous research with in-depth analysis of logistics processes in a few months or over several years, depending on the problem complexity.

PROGRAMS WITH THE OPERATIONS AND LOGISTICS MANAGEMENT FACULTY

Logistics Program for Healthcare Professionals

This one-week program designed by the Logistics Faculty for the Veterans Health Administration delivers the foundational graduate-level knowledge of operations and logistics necessary to understand and improve health care logistics. Topics include Process Analysis, Inventory Management, Supply Chain Management, Flow Time Management and an introduction to Process Improvement techniques.

Lean Six Sigma for Defense Professionals

This program designed by Prof. Uday Apte introduces students to critical concepts of process analysis, lean operations and quality management, guiding them through the requirements to obtain the prestigious Green Belt certification.

Cost Management and Control Certificate

This 4-week program designed by the Faculty of the Graduate School of Business and Public Policy for the Department of the Army delivers fundamental education in financial management, process analysis and control, inventory management, budgeting and organizational behavior.

Executive Master of Business Administration

This 24-month program designed by the Faculty of the Graduate School of Business and Public Policy delivers the latest knowledge and skills in logistics, supply chain management, financial management, acquisition, program management, logistics, supply chain management, policymaking and change management; all within a curriculum tailored to include the latest in Defense-concentrated course work. It is entirely delivered through video-teleconferencing at several locations in the United States and elsewhere.

MBA PROGRAM HIGHLIGHTS

The Operations and Logistics Management curricula of the Naval Postgraduate School educate current and future military leaders in all aspects of the logistics function.

CURRICULA

The interdisciplinary curricula are comprised of management core and logistics concentration subjects. The management core subjects provide foundational education in accounting, business modeling for decision making, economics, finance, operations management, statistics, strategic decision making, the DOD mission, and the global defense marketplace.

The concentration subjects provide unique and relevant education that meets the critical logistics needs of the United States' and allied nations' armed services and governmental agencies. The specialized courses concentrate on logistics risk analysis and control, supply chain management, inventory management, integrated logistics support, systems acquisition, defense

transportation systems and logistics strategic planning. Students complete a capstone project on a relevant military topic using the skills learned in the program.

RESULTS

Graduates earn a Master of Business Administration (MBA) degree with concentration in Transportation Management (814), Supply Chain Management (819), or Materiel Logistics Support Management (827). This degree signifies mastery both of fundamental interdisciplinary management disciplines and of specific disciplinary knowledge in military logistics. Graduates of the logistics management curricula at NPS have the knowledge and skills they need to manage the various elements of total life cycle support, from requirements determination through sustainment to phase out.



RECENT MBA PROJECTS ON OPERATIONS AND LOGISTICS MANAGEMENT

Sponsored by NAVSUP

- Standardizing ammunition distribution within the U.S. Navy as either a Push or Pull methodology
- Implementation analysis in support of Fifth Fleet Area of Responsibility "Last Nautical Mile" In Transit Visibility goals and objectives
- How can the U.S. Navy achieve cost savings by better utilizing the performance matrix in Performance Based Logistic contracts?

Supported by Defense Logistics Agency

- Process analysis of material turn-in procedures at Defense Logistics Agency Disposition Services

Supported by NAVAIR

- Best value analysis of Tool/Individual Material Readiness List items for Carrier Air Wing Five
- Best value analysis of movement strategies for Carrier Air Wing Five from Iwakuni to Yokosuka, Japan

Sponsored by Veterans Health Administration

- Veterans Administration Sierra Pacific network distribution system analysis

Sponsored by Acquisitions Research Program

- Conquering the iron mountain: Reducing the Marine Expeditionary Unit's logistics footprint within the Amphibious Readiness Group
- Analysis of U.S. military helicopter operations in support of Humanitarian Assistance and Disaster Relief
- Business case analysis of cargo Unmanned Aircraft System capability in support of forward deployed logistics in Operation Enduring Freedom
- A cost analysis of the US Navy humanitarian assistance and disaster response to the 2011 Tohoku earthquake and tsunami
- Autonomous dirigible airships: Logistics use in complex environments — a comparative analysis and operational efficiency evaluation

Find more at <http://bosun.nps.edu>

FACULTY EXPERTISE

Our award-winning faculty has expertise in many logistics subjects:

DR. ARUNA APTE

Ph.D., Southern Methodist University
Humanitarian supply chains and logistics, Combinatorial optimization

DR. UDAY APTE

Ph.D., The Wharton School, UPenn
Managing service operations, Lean six sigma, Logistics and supply chain management, Globalization of information intensive services

DR. MICHAEL DIXON

Ph.D., Cornell University
Managing service operations, Experience management, Event planning and scheduling

DR. KEN DOERR

Ph.D., University of Washington
Cost benefit analysis of technology adoption, Performance based logistics, Human performance modeling

DR. GERALDO FERRER

Ph.D., INSEAD
Remanufacturing, Supply chain management, Supply chain tracking technologies (UID/RFID)

DR. SUSAN K. HEATH

Ph.D., University of Texas at Austin
Disaster planning and response, Production planning and scheduling, Optimization, Simulation

LT. COL BRYAN HUDGENS, USAF RET.

M.S. AFIT
Strategic purchasing, Supply chain management, Collaboration

DR. KEEBOM KANG

Ph.D., Purdue University
Modeling and simulation, Total life cycle management, Reliability modeling, Lean six sigma, Performance based logistics

DR. JOHN KHAWAM

Ph.D., Stanford
Closed-loop supply chains, Inventory management, Modular product management

DR. KEENAN YOHO

Ph.D., University of Wisconsin
Depot operations, Supply chain management, Military logistics





ABOUT NAVAL POSTGRADUATE SCHOOL

Located in Monterey, California, on the Pacific Ocean 120 miles south of San Francisco, the Naval Postgraduate School is one of the most unique, real-world focused and ground breaking research universities in the world. NPS is shaped by its proven history of game-changing leadership in providing superior graduate education and research in diverse disciplines as well as maintaining relevance to opportunities and challenges in national and international security and defense.



OPERATIONS AND LOGISTICS MANAGEMENT PHILOSOPHY

To ensure that each graduate learns valuable analytic skills that can be immediately applied on the job, providing the greatest return to our sponsors.

- Educate students to develop critical thinking and remain lifelong learners of military operations and logistics.
- Focus on curriculum relevance for the sponsor, supporting NPS strategic goals.
- Support student graduation projects with relevant sponsor issues that can be completed while students are in the program.
- Promote sponsor relations to leverage faculty research expertise on military applications.
- Support initiatives that enhance the relevance of faculty research in alignment with NPS strategic goals.



“There is nothing more common than to find considerations of supply affecting the strategic lines of a campaign and a war.”

– Carl von Clausewitz

GRADUATE SCHOOL OF BUSINESS AND PUBLIC POLICY

NAVAL POSTGRADUATE SCHOOL

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