



## Operations Research Seminar

# Research Opportunities with Marine Corps Manpower and Reserve Affairs

**Dave Raymond**

Captain  
USMC

**Thursday, July 16, 2009**

15:00-16:00 in GL-115

Refreshment 14:45-15:00 in GL-239

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Marine Corps Manpower and Reserve Affairs (M&RA) has several potential research topics for NPS OR students and faculty. M&RA research includes

- Develop a computer model that replicates the Enlisted Staffing Goal Model.
- Optimize the number of officer accessions needed to support the force.
- Analyze scores for the Armed Services Vocational Aptitude Battery (ASVAB).
- Determine which the best predictor for continuation rates.
- Develop a contract supply model for high quality male applicants at the zip code or county level.

Most of this research is sponsored by the Integration and Analysis Section (MPP-50) of the Manpower Plans and Policy Division in M&RA. MPP-50 includes four Marine Corps active duty operations analysts: recent graduates of NPS OR program. The contract supply model is sponsored by the Marine Corps Recruiting Command.

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Captain Dave Raymond, USMC is an operations analyst at Marine Corps Manpower and Reserve Affairs (M&RA) in Quantico, VA. He has a B.S. in Mathematics from the U.S. Naval Academy and an M.S. in Operations Research from the Naval Postgraduate School. From 2001 to 2002, he served as the Supply Officer for 3rd Transportation Support Battalion, 3rd Force Service Support Group in Okinawa Japan. From 2002 to 2004, he was the operations officer for the Fleet Support Division of the Marine Corps Logistics Base in Albany Georgia. As an operations analyst for M&RA, Capt Raymond uses SAS and VBA extensively to assist manpower planners. He has designed and implemented forecasting models for M&RA use in end strength forecasting, retention analysis, and forecasting of Patients, Prisoners, Trainees and Transients (P2T2).