Distributed Learning
Master of Science in Cost Estimating and Analysis

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Greg Mislick, NPS
Agenda

- Who we are
- What we are doing
- How we are doing it
  - Curriculum
  - Curriculum matrix
  - Schedule
- The way forward
- Solicit your comment and criticisms
NPS--100 Years of Graduate Military Education

- **Accredited:**
  - WASC, ABET, AACSB, NASPAA

- **Operationally Relevant**
  - Unique advanced education and research programs increasing the combat effectiveness of U.S. and Allied armed forces

- **Accomplishing the Mission**
  - Program of Record focused graduate schools, institutes, and research centers.
  - Education built on operational experience
  - An innovative environment: solutions to current, near-term and long-term national security needs.
  - Opportunity to experiment with the latest operational technologies in an academic environment.

- Postgraduate Masters, Engineering and Doctorate Degrees
- Programs renewed every two years based on emerging requirements
- Clear focus on military systems and applications
**NPS Alumni**

- **43,000 Graduates**
  - Representing all U.S. Military Services and many U.S. Government agencies
  - 4031 international officers from 84 countries
  - 34 Astronauts
  - 25% of U.S. active-duty Flag and General Officers

- **More than 50,000 Nondegree Participants**

ADM Michael Mullen
Chairman, JCS

General Michael Hagee
Commandant
U.S. Marine Corps

King Abdullah of Jordan
What we are doing

- Developing a Distributed Learning Cost Estimating Masters Program
  - Masters (16 courses)
  - Certificates (4 courses)
  - DAWIA/DAU Level III Certification

- NPS with AFIT support

- Open to all personnel sponsored by a military command
  - Civilian
  - Military (officers and enlisted)
  - Contractor
Why is this program important?

- **Cost Estimating is in the DoD spotlight**
  - Weapons System Acquisition Reform Act of 2009
    - Combines OSD PAE and the Cost Analysis Improvement Group (CAIG) into **Director of Cost Assessment and Program Evaluation**, with two deputy directors:
      - Dep Dir for Cost Assessment.
      - Dep Dir for Program Evaluation
    - The Director [DCAPE] is a new position, Senate confirmable, reporting directly to SECDEF, with annual Congressional reporting requirements.
  - Large expansion underway in DoD cost estimating cadre.
    - Many of the new hires will be new to government BA/BS’s, untutored in DoD /clueless about cost estimating.
    - There are also cadres of GS12-15’s who are already cost estimators, but who lack formal education in the field.
Stakeholders

- Initial Request (and funding received) from NAVSEA and NAVAIR
  - Collaboration with AFIT

- Strong Stated Interest/Support
  - Deputy Assistant Secretaries: Navy, AF and Army
  - SES Flag Level: USMC, DAU, OSD/CAPE
Program Overview

- Two year program
  - 2 classes per quarter
  - 4 quarters per year

- Delivery modes
  - Asynchronous
  - Synchronous
    - Elluminate or VTE
    - Classes meet during week

- NPS supported by AFIT
Curriculum Overview

- Foundational courses
  - Probability and Statistics (2 Courses)
  - Operations Research for Cost Analysts
  - Fundamentals of Acquisition
  - Defense Financial Management and Budgeting (2 Courses)
  - Logistics Engineering
  - Systems Engineering (2 Courses)
- Cost Estimating
  - Cost Estimating I, II, and III
  - Risk and Uncertainty
  - Cost Estimating Case Studies
- Capstone Project
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Schedule for Cohorts

Development

- COHORT I
- COHORT II
- COHORT III
- COHORT IV
- COHORT V

Deliver (and update)

- Applications, selections, etc.

DEVELOPMENT

9/29/2010
Enrollment Information

- First cohort: April 2011
- Enrollment: 15 Oct 10 – 15 Jan 11
- 30 students per cohort
- 1 Cohort/year for first two years
- 2 Cohorts/year after that

Tri-Fold and website available
http://www.nps.edu/DL/Degree_Progs/MCEA.asp
Faculty and Staffing and Space

- Current NPS full-time and intermittent faculty will teach in the program.

- **Program will eventually require hiring additional faculty.** There is an opportunity to create tenure faculty positions as the program grows.

- Will Require additional program and management support.

- No space requirement now. May require additional space in steady state.
NPS-AFIT Academic Support

- AFIT provides the following services:
  - Teaching Cost Estimation II
  - Capstone Project leader

- NPS will provide
  - Admissions, scheduling, technology, classrooms and equipment, library, etc.
  - E marketing help, Sakai support, admissions, graduation check, award of degree
QUESTIONS?