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Modeling and Simulation

Educating the DoD Communities and Services



Winter 2008

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2009 Enrollment Opportunities

Old Dominion University/
WernerAnderson
CMST

George Mason University

University of Alabama in Huntsville

Naval Postgraduate School

Contact Us



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DoD Modeling & Simulation Education

In December 2008 the Naval Postgraduate School will deliver a selection of 16 Modeling and Simulation (M&S) courses to the Department of Defense (DoD) Modeling and Simulation Coordination Office (MSCO), Navy Modeling Simulation Office (NMSO), and the office of the Army Modeling and Simulation Directorate (DAMO-MS). Following delivery to the project sponsors these courses will be unveiled and available for delivery to the public in January 2009. Throughout the next year participating DoD and US academic institutions will offer short and long courses, distance learning courses, and certificate courses. Each university will implement the courses into their programs differently with expenses for students. The Defense Acquisition University (DAU) will offer ten customized enrollment requirements and the Naval Postgraduate School's SE department will offer certification opportunities for the DoD workforce.

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Basic, Intermediate, & Advanced M&S Education for the Acquisition and T&E professionals will be available in 2009.

The Courses

FULL ACADEMIC COURSES
SHORT ACADEMIC COURSES
WEB-BASED MODULES

16 NEW COURSES

- M&S in the Acquisition Life Cycle, Parts 1 and 2
- M&S Strategy and Support Plans
- M&S Requirements and Evaluating M&S Proposals
- Contracting for M&S
- Best Practices in M&S
- M&S in Decision Risk Analysis and Mitigation
- M&S Environments
- M&S Data Strategies
- M&S for Test and Evaluation, Introduction and Advanced
- Introduction to Engineering M&S Applications
- Physics-based M&S
- Basic Engineering Concepts in M&S, Parts 1 and 2
- Topics in the Application of Engineering M&S

Key academic leaders in the field of M&S will deliver a superb set of tested curriculum for M&S users in and outside of DoD. The 16 new courses will be available in public domain for any US university to implement into their own engineering programs. A complete pack of course materials includes:

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DoD Modeling and Simulation Education

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In 2007 MSCO and NMSO tasked the NPS Systems Engineering department to seek guidance from key leaders in the Acquisition community, research the pre-existing M&S education gaps, and develop a palette of fresh M&S courses to educate the Acquisition and T&E communities based on these discoveries. NPS partnered with five leading M&S academic institutions to assist in developing the courses. Target students include individuals in Program Management, Systems Engineering, and Test and Evaluation with basic, intermediate, and advanced skill levels. Throughout 2009 the Defense Acquisition University (DAU) and the Naval Postgraduate School will offer DoD employees Continuous Learning Modules (CLMs) and certification opportunities. In January, the project's academic partners will begin offering a selection of these courses. By winter 2009 all US universities will have free access to the curriculum materials for implementation into their own academic programs. Each student selecting to enroll in the courses will be required to meet all participating university enrollment guidelines, procedures, and expenses.



Thanks to the NPS Academic Partners for two years of dedication!



2009 Enrollment Opportunities

The following academic institutions are planning to offer the following M&S curriculum opportunities. Each student must meet the university's enrollment and expense requirements. **All programs are subject to change and pre-requisites apply for some**; please contact the course administrators for further information.



January-December 2009

WernerAnderson Locations:

Hampton Roads*, San Diego**, 3rd location (TBD) ***

On-site training

\$1995 per course

Intro to M&S Using Arena (Jan*, May**, Sept***)

Intro to Engineering M&S Applications (Feb*, June***, Oct**)

Best Practices in M&S (Mar*, Aug**)

Risk and Mitigation and Decision Analysis (Apr*, July**, Nov***)

M&S Support Plans (July*)

M&S in the Acquisition Life Cycle, Part I (Oct*)

M&S in the Acquisition Life Cycle, Part II (Dec*)

Introduction, M&S for T&E (Aug*)

Advanced, M&S for T&E (Sept*)

Email: M&STraining@werneranderson.com

All programs are subject to changes. Pre-requisites apply for some courses.

2009 Enrollment Opportunities, cont.



September 21-25, 2009
Arlington, VA
Live Classroom Only
\$2150 per student

Available for earlier
delivery via
contractual agreement
at client's location

MSA 0301 Modeling and Simulation throughout the Acquisition Lifecycle

Pre-requisites Apply: ACQ 101, ACQ 201, and Essentials of Modeling and Simulation (MSCO online orientation)

George Mason University
Office of Continuing Professional Education

2214 Rock Hill Road
Suite 400
Herndon, VA 20170
www.ocpe.gmu.edu

Open Enrollment: Christine Satorre, Program Manager, 703-993-4801, csatorre@gmu.edu
Contract Training: Susan Stinson, Contract Training Coordinator, 703-993-4802, sstinson@gmu.edu

All programs are subject to changes. Pre-requisites apply for some courses.



Fall-Spring 2009
Available via Distance Learning

Fall 2009

M&S Environments and M&S for T&E, Introduction
-ISE Special Topics Courses

Spring 2010

M&S Data Strategies and M&S for T&E, Advanced
-ISE Special Topics Courses

Fall 2010

UAH M&S Degree Program
*Pending approval.

UAH Industrial and Systems Engineering
Department (ISE)

256-824-4368 Telephone

<http://cmsa.uah.edu/>

All programs are subject to changes. Pre-requisites apply for some courses.

The Courses

Continued from page 1

PowerPoint slides, instructor notes, and supplemental material(s); such as, exams, homework assignments, and case studies. Following the first phase of course development the prototype courses were beta tested over a six month period. The second phase of course development included refinement of the original course materials and application of valuable lessons learned, instructor, and student feedback from the test offerings.

www.nps.edu/msacq

2009 Enrollment Opportunities, cont.



Certificate Programs through the SE Department
Dates: TBA
\$1750 per course
Available via Distance Learning
www.nps.edu/Academics/GSEAS/se

M&S Management

Intro to DoD M&S
Best Practices in M&S
M&S in the Acquisition Life Cycle, Parts 1 & 2

M&S Acquisition

M&S Strategy and Support Plans
M&S Requirements & Evaluating Proposals
Contracting for M&S
M&S in Decision Risk Analysis

M&S Test and Evaluation

M&S for T&E, Intro and Advanced
M&S Environments
M&S Data Strategies

M&S Engineering Integration

Physics-based M&S
Basic Engineering Concepts in M&S, Parts 1 & 2
Selected Topics in the Application Engineering M&S

All programs are subject to changes. Pre-requisites apply for some courses.

M&S Education Project Presented at Huntsville ITEA

The M&S Education for the Acquisition/T&E Workforce project was presented October 29, 2008 at a meeting of the International Test and Evaluation Association (ITEA). The quarterly meeting of the Huntsville ITEA chapter featured three invited speakers; one of those, Dr. Mikel D. Petty of the University of Alabama in Huntsville, described the M&S Education project. His presentation covered the goals of the project, the instructional design process used to determine the content of the courses, and the status of the current course development and test offerings. The audience asked questions about specific topics within the courses and plans for future offerings of the courses in Huntsville.



ITEA -Huntsville, AL Chapter Attendees

Contact Us



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Ten M&S CLMs are under development for the Defense Acquisition University (DAU). The CLMs will be available through DAU sometime in 2009.