



DEFENSE ACQUISITION UNIVERSITY

ISA 301 Advanced Enterprise Information Systems Acquisition

151001

Course Learning/Performance Objectives followed by its enabling learning objectives on separate lines if specified.

1	<p>Given a Department of Defense (DoD) Information Technology (IT) acquisition scenario and associated acquisition hardware/software documentation, learner will develop cybersecurity requirements regarding security measures, continuity of operations, and protection of acquisition systems and system content.</p> <p>Assess the scope and seriousness of current and emerging information assurance threats to DoD systems.</p> <p>Recommend the applicable statutes, policies, regulations, guidance, and best practices for incorporation into an IT acquisition.</p>
2	<p>Given a Department of Defense (DoD) Information Technology (IT) acquisition scenario, apply Continuous Process Improvement (CPI) concepts with the goal of improving the internal acquisition business process(es) of the government.</p> <p>Given a Department of Defense (DoD) Information Technology (IT) acquisition scenario, recommend the appropriate CPI methods with the goal of improving the acquisition / business processes.</p>
3	<p>Identify the characteristics of an effective IT measurement and analysis program.</p> <p>Select appropriate performance measures based on information needs, e.g. requirements stability, earned value, quality assurance, testing results, etc. to assess progress of an IT acquisition.</p> <p>Assess the information needs of successful IT project/program management.</p> <p>Recommend the applicable statutes, policies, regulations, guidance, and best practices for incorporation into an IT acquisition.</p> <p>Given a scenario, create an IT measurement and analysis program.</p> <p>Explain how the program IT measurement process can be extended to support enterprise level decision information needs.</p>
4	<p>Given a Department of Defense (DoD) Information Technology (IT) acquisition scenario, create appropriate acquisition strategies to promote the most effective technical and business solution.</p> <p>Appraise information technology acquisition programmatic issues and risks.</p> <p>Assess appropriate information technology acquisition strategies and best practices.</p> <p>Recommend the applicable statutes, policies, regulations, guidance, and best practices for incorporation into an IT acquisition.</p>
5	<p>Given a Department of Defense (DoD) Information Technology (IT) acquisition scenario, decide if the contractual artifacts are an effective technical and business solution.</p> <p>Describe an approach for planning and executing a performance-based contract solicitation.</p> <p>Assess Performance Work Statement (PWS) acquisition documentation for appropriate performance-based characteristics to meet contract objectives.</p> <p>Evaluate a Quality Assurance Surveillance Plan (QASP) for its ability to appropriately measure contract performance.</p> <p>Recommend the applicable statutes, policies, regulations, guidance, and best practices for incorporation into an IT acquisition.</p>
6	<p>Given an IT acquisition scenario, evaluate the program management effectiveness using IT Best Practices and Lessons Learned.</p> <p>Assess the utility of system engineering technical processes and technical management processes as applied to an information systems acquisition.</p> <p>Evaluate the relationship between systems engineering products and DoDAF architecture products.</p> <p>Recommend the applicable statutes, policies, regulations, guidance, and best practices for incorporation into an IT acquisition.</p>
7	<p>Given a Department of Defense (DoD) Information Technology (IT) acquisition scenario and/or supporting documents, learner will apply best practices with 90% accuracy to ensure the development and management of test plans supporting DoD IT system development efforts will result in the government receiving all expected deliverables operating at a fully functional level.</p> <p>Examine the role of modeling and simulation during the acquisition lifecycle.</p> <p>Evaluate the applicability of unique types of testing conducted for an IT system.</p> <p>Recommend the applicable statutes, policies, regulations, guidance, and best practices for incorporation into an IT acquisition.</p>
8	<p>Given a Department of Defense (DoD) Information Technology (IT) acquisition scenario, learner will apply germane emergent and recommended conventions in the procurement and management of IT services.</p> <p>Assess the applicability, maturity, risk and likely degree of acceptance of current technologies.</p> <p>Examine the evolutionary cycle for new technologies and the current marketplace, focusing on those most likely to have an impact on DoD IT acquisition.</p> <p>Recommend best practices for incorporation into an IT acquisition.</p>