



DEFENSE ACQUISITION UNIVERSITY

IRM 304 Advanced Information Systems Acquisition

111213

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

1	<p>Given IT acquisition scenarios, evaluate how Enterprise Architecture (EA) is used as a critical management tool so that program management and systems development decisions are defensible.</p> <p>Explain how DoD enterprise architecture (GIG) uses federal, commercial, "open" standards, Net Ready-KPP, DoD Information Enterprise Architecture (IEA), and Net Centric Enterprise Services (NCES) to promote interoperability and help achieve information superiority.</p> <p>Assess enterprise architecture (EA) and develop EA products (i.e., DoDAF) to ensure alignment with DoD EA strategic goals.</p> <p>Recommend the applicable statutes, policies, regulations, guidance, and best practices for incorporation into an IT acquisition.</p>
2	<p>Given IT an acquisition scenario, assess the impact of the Capital Planning and Investment Control (CPIC) process on IT acquisitions and its relationship to the Planning, Programming and Budget Execution (PPBE) process so that IT investment decisions are defensible.</p> <p>Evaluate the utility of OMB and DoD business case analyses and other assessment tools in support of the CPIC process.</p> <p>Assess the role of portfolio management (PFM) within the CPIC process (architecture, risk management, return on investment) to support achievement of critical business objectives.</p> <p>Recommend the applicable statutes, policies, regulations, guidance, and best practices for incorporation into an IT acquisition.</p>
3	<p>Given current IT IA/Cybersecurity threats, explain how the risks can be mitigated via acquisition planning to ensure mission success.</p> <p>Discuss the information assurance (IA), critical infrastructure protection, and continuity of operation requirements for mission assurance.</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>
4	<p>Based on the information needs of an acquisition scenario, assess a program's ability to achieve the objectives of an IT system acquisition.</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>
5	<p>Given an IT acquisition scenario, advocate current and emerging IT acquisition strategies and best practices to ensure mission success.</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>
6	<p>Given an IT acquisition scenario, evaluate solicitation and post award administration documentation for executability.</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>
7	<p>Given an IT acquisition scenario, critique systems engineering methodologies and processes to determine if systems development and program management decisions are executable.</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>
8	<p>Given IT acquisition scenarios, evaluate the verification and validation (V&V) and the testing and evaluation (T&E) processes that ensure the system meets mission requirements.</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>
9	<p>Given the current technological environment, assess recommendations for insertion of new information technology, considering program risk, cost, and schedule to avoid system obsolescence.</p>



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	Assess the applicability, maturity, risk and likely degree of acceptance of current technologies.
	Examine the evolutionary cycle for new technologies and the current marketplace, focusing on those most likely to have an impact on DoD IT acquisition.
	Recommend best practices for incorporation into an IT acquisition.