A. DESCRIPTION

The Security in the DoD Acquisition Process (SDDAP) course covers the ways in which the senior security manager can apply knowledge of DoD acquisition processes and the role of security within that process across the full life cycle of a program to improve performance and outcomes. This course will address:

1. An overview of the DoD acquisition system.
2. The different functions of security throughout the DoD acquisition process.
3. The integration of security throughout the acquisition process.
4. Ways in which to help increase security awareness and security management in all stages of the acquisition lifecycle.
5. Case studies.

This is not a “skills” training course designed to produce an expert in the acquisition field. Instead, it is an exploration of the landscape that makes up the role of security throughout the acquisition process. Students who may have been exposed only to narrow aspects of security in the past will be introduced to the broader scope of responsibilities that make up the DoD security portfolio.

The course is divided into three distinct parts. The first part will cover key concepts of the acquisition process. The second section will cover various security roles and responsibilities throughout the acquisition process. The final section will provide students with the opportunity to present a case study on a security acquisition issue/problem/concern. Consistent themes that will be addressed throughout the course include:

- The key areas of the acquisition process and the interplay with security
- The integration of security disciplines into the acquisition process
- The inclusion of security requirements into classified and unclassified projects
- Security considerations throughout the lifecycle of a system or service
- The function of the security professional in the role of program oversight, program management and program user/recipient
- Lessons learned from the procurement of security systems and services

*Sample syllabus is subject to change each semester.
B. ORGANIZATION

The primary methods of instruction will be short lectures, readings, student research and preparation of papers, case studies, student presentations and discussions on the issues brought forth in the lectures, readings and papers. Because this class is designed for security professionals with varying levels of expertise in differing security disciplines, it is anticipated that the combined efforts of all class participants will stimulate discussion and the exchange of ideas while driving the learning environment. Accordingly, adequate class preparation will be required to successfully complete this course.

Course Objectives

This course will enable students to:

- Analyze, explain and assess the broad scope activities within the DoD security acquisition process.
- Examine and analyze critical and emergent issues within the acquisition of DoD security systems and services.
- Assess and analyze lessons learned, for better or worse, relative to the acquisition of security systems and services.
- Identify, analyze and explain the strategic effects of security acquisition program success or failure within the DoD.
- Assess and summarize the broad scope of competencies a security professional should have/maintain relative to the acquisition process.
- Describe the Program Protection Planning function and the key tasks within that function.
- Describe and explain the importance of Security Engineering to the acquisition process.
- Develop and execute strategies and courses of action for integrating security into the acquisition process.
- Evaluate risks to the supply chain.

Delivery Method/Course Requirements:

This is a graduate-level distance-learning course in Security in the DoD Acquisition Process (SDDAP). The course will consist of readings, prerecorded lectures and presentations, participation in the discussion forum, written assignments, student presentations and midterm and final exams.

A typical week will include a 45-60 minute lecture, with the remainder of the week being dedicated to on line discussion of the week’s topic in the course discussion forum. Generally a discussion will be based on instructor provided discussion questions(s) with each student providing a response and then commenting on other student inputs.

Students should be prepared to critically discuss and debate the questions, readings and lecture material as well as analyze them for biases and multiple perspectives. In some cases neither the readings nor lecture material may fully cover the expectations/requirements for the week’s
lesson. In that this is a graduate level course this should not come as a surprise. Accordingly, students will be expected to do independent research to glean material that may not be otherwise covered in the week’s lesson.

The assigned course readings will draw from a variety of resources, such as authoritative readings (legislation, executive orders, policies, plans and strategies, and journals), implementation readings (government products that are responsive to or attempt to fulfill the requirements of authoritative documents), and external reviews (from the U.S. Government Accountability Office, Congressional Research Service, or other agency or office).

Students may well need to conduct outside research in order to achieve learning objectives.

Access to and ability to use a library will be necessary for course completion and success. When possible, course readings are posted to Sakai or the CiteULike virtual library. In other cases they may be available from the DTIC web site or other on line sources.

It is recommended that students become acquainted with their local public, university, or DoD (such as the Pentagon or National Defense University) library. In many cases, these institutions will allow library cardholders remote access to their databases and electronic publications.

Class participation is both important and required. The discussion forum is the classroom. If a student doesn’t participate in the discussions on a weekly basis then that would be analogous to not showing up to class. Class participation is 25% of the grade (see below), so failure to fully participate would make it nearly impossible to pass this course. If, due to an emergency, students are not able to respond to a discussion prompt in the week it is assigned, they must contact the instructor by e-mail and will be expected to post their response in the following week.

Weekly assignments must be posted in the Sakai CLE by midnight on the day they are due. Throughout the course, there are ten opportunities to complete six written assignments. Students may pick which six assignments they complete as long as they are posted in Sakai by the end of lesson 12. It is expected that assignments will be submitted on time; however, it is recognized that students occasionally have serious problems that prevent work completion. If such a dilemma arises, students should contact the instructor before the assignment is due.

The completion of all readings assigned for the course is assumed. Since class will be structured around discussion, completion of the readings is crucial to support student participation in the class discussion forum. The majority of the class grade comes from participation and completion of the weekly assignments.

Unless otherwise noted in the syllabus, each lesson will open on Sunday night at midnight and close the following Saturday at midnight. Forum participation (class discussion) must be completed by Saturday at midnight.
Plagiarism

Plagiarism is defined as using someone else’s language, ideas or other original (not common knowledge) material without acknowledging its source. Plagiarism is best avoided by ensuring the language, ideas or other original material of others is properly cited/attributed in accordance with the Chicago Manual of Style. Plagiarism will not be tolerated. Suspected instances of plagiarism will be referred to CDSE.

Course Outline:
The following table outlines the 16-week course agenda. Graded assignments are in **bold**. Items in *italics* are ungraded but are required for a later, graded assignment.

<table>
<thead>
<tr>
<th>Lesson</th>
<th>Topics</th>
<th>Instructional Method(s)</th>
<th>Student Assignments Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Course Overview</td>
<td>• Reading&lt;br&gt;• Asynchronous presentation&lt;br&gt;• Discussion</td>
<td>• Discussion Forum: Introduction</td>
</tr>
<tr>
<td>Lesson</td>
<td>Topics</td>
<td>Instructional Method(s)</td>
<td>Student Assignments Due</td>
</tr>
<tr>
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<td>---------------------------------------------</td>
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<td>-------------------------</td>
</tr>
</tbody>
</table>
| 4      | Intro to Acquisition III                    | • Reading  
         • Asynchronous presentation  
         • Discussion | • Discussion Forum  
         • Assignment 3 |
|        | • Contracting  
         • Federal Acquisition Regulation  
         • Defense Federal Acquisition Regulation Supplement |                                                             |                         |
| 5      | Security in the Acquisition Process I       | • Reading  
         • Asynchronous presentation  
         • Discussion | • Discussion Forum  
         • Assignment 4 |
|        | • Security roles in the acquisition process – Oversight, Manager, User  
         • Acquiring security systems  
         • Case Study |                                                             |                         |
| 6      | Security in the Acquisition Process II      | • Reading  
         • Asynchronous presentation  
         • Discussion | • Discussion Forum  
         • Assignment 5 |
|        | • Cost of security  
         • Role of security in contracts (DD 254, contract classification level, vetting contractors, etc.)  
         • Risk, source selection, life cycle planning |                                                             |                         |
<table>
<thead>
<tr>
<th>Lesson</th>
<th>Topics</th>
<th>Instructional Method(s)</th>
<th>Student Assignments Due</th>
</tr>
</thead>
</table>
| 7      | Security in the Acquisition Process III  
• Program Awareness  
• Cost, Schedule Performance  
• Security relationships within a program  
• Program factors that impact security | • Reading  
• Asynchronous presentation  
• Discussion | • Discussion Forum  
• Assignment 6 |
| 8      | Midterm Exam | • Take home essay | • Midterm Exam Due |
| 9      | Acquisition Security as a Specialty I – Policy  
• Acquisition security policy  
• Regulation compliance – DOD and other agencies  
• Understanding SAPs  
• Case Study | • Reading  
• Asynchronous presentation  
• Discussion | • Discussion Forum  
• Assignment 7 |
<table>
<thead>
<tr>
<th>Lesson</th>
<th>Topics</th>
<th>Instructional Method(s)</th>
<th>Student Assignments Due</th>
</tr>
</thead>
</table>
| 10     | Acquisition Security as a Specialty II – System Security Engineering  
- Aligning and addressing security concerns throughout the acquisition process  
- Evaluating component fitness before integration  
- Asset, asset value, and risk mitigation  
- Reading  
- Asynchronous presentation  
- Discussion  
- Discussion Forum  
- Assignment 8 |
| 11     | Acquisition Security as a Specialty III – Program Protection Planning  
- Identifying CPI  
- Planning all protection measures to ensure secrecy/security (physical, information security, etc.)  
- Security throughout acquisition phases  
- Reading  
- Asynchronous presentation  
- Discussion  
- Discussion Forum  
- Assignment 9 |
<table>
<thead>
<tr>
<th>Lesson</th>
<th>Topics</th>
<th>Instructional Method(s)</th>
<th>Student Assignments Due</th>
</tr>
</thead>
</table>
| 12     | Acquisition Security as a Specialty IV – Supply Chain Risk Management  | • Reading  
          • Asynchronous presentation  
          • Discussion                          | • Discussion Forum  
          • Assignment 10                        |
|        | • Material Management Policy                                           |                                               |                                          |
|        | • Supply Chain Process                                                 |                                               |                                          |
|        | • Security Considerations                                              |                                               |                                          |
|        | • Case Study                                                           |                                               |                                          |
| 13     | Student Presentations                                                  | • Asynchronous presentation  
          • Discussion                          | • Discussion Forum  
          • Student Presentations                |
| 14     | Student Presentations                                                  | • Asynchronous presentation  
          • Discussion                          | • Discussion Forum  
          • Student Presentations                |
| 15     | Student Presentations                                                  | • Asynchronous presentation  
          • Discussion                          | • Discussion Forum  
          • Student Presentations                |
| 16     | Course Wrap Up/Final Exam                                              | • Asynchronous presentation  
          • Take home essay                      | • Final Exam Due                          |

**Grading**

The following provides an approximate breakdown of how each assignment contributes to the overall performance in the class.
A final letter grade will be assigned following the grading scale below:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Point Range</th>
<th>Percentage Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Range</td>
<td>900 -1000</td>
<td>90% to 100%</td>
</tr>
<tr>
<td>B Range</td>
<td>800-899</td>
<td>80% to 89.9%</td>
</tr>
<tr>
<td>C Range</td>
<td>700-799</td>
<td>70% to 79.9%</td>
</tr>
<tr>
<td>D Range</td>
<td>600-699</td>
<td>60% to 69.9%</td>
</tr>
<tr>
<td>F Range</td>
<td>599 and below</td>
<td>59.9% and below</td>
</tr>
</tbody>
</table>

*Individual graded assignments with a score lower than 80% are acceptable; however, a student’s final grade at the end of the semester must be 80% or higher to pass the course.*

Evaluation criteria for each graded assignment, including the midterm and final exams, are listed below. Any assignment that receives a failing grade can be resubmitted within the following two weeks, but there will be no further extensions beyond this two-week period.

<table>
<thead>
<tr>
<th>Assignment Evaluation Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Range</td>
</tr>
<tr>
<td>Content</td>
</tr>
<tr>
<td>Organization (includes proper formatting)</td>
</tr>
</tbody>
</table>
## Assignment Evaluation Criteria

<table>
<thead>
<tr>
<th></th>
<th>A Range</th>
<th>B Range</th>
<th>C Range</th>
<th>D Range</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grammar</td>
<td>Free of most grammatical errors</td>
<td>Some grammatical mistakes but generally shows successful grammar usage</td>
<td>Frequent grammatical errors</td>
<td>Appropriate grammatical knowledge not displayed for current language level</td>
<td>Did not complete assignment</td>
</tr>
<tr>
<td>Overall Effect</td>
<td>A strong overall effect with clear communication and support</td>
<td>A good overall effect with some support and adequate clarity</td>
<td>Paper struggles overall and does not give a coherent message</td>
<td>Paper has a poor overall effect and does not fulfill assignment</td>
<td></td>
</tr>
<tr>
<td>Timeliness</td>
<td>Assignment turned in on time</td>
<td>Assignment turned in on time</td>
<td>Assignment turned in on time</td>
<td>Assignment turned in on time</td>
<td></td>
</tr>
</tbody>
</table>

### Class Participation (25%):  

Participation includes completing all assigned readings, participating in the class discussion forum, participating in class exercises, and reflecting on the class experience. To achieve full credit for participation, students must **attend, participate, and reflect.** They must respond thoughtfully to all weekly discussion prompts, post responses to other students’ discussion posts each week, and provide constructive criticism when conducting peer reviews of other students’ presentations/writing (NOTE: specific requirements will be assigned weekly). Posts and responses should reflect a depth of critical thought and analysis on the subject at hand. Simply posting “I agree” or other such responses will not be sufficient.

Weekly participation in the on line discussion forum must be completed no later than midnight on the Saturday of the weekly lesson. Questions for discussion and participation requirements will be posted weekly in Sakai. Weekly grading for class participation will be assessed on a go, no go basis. If there is a problem (travel, duty, health, etc.) with meeting the weekly requirement the instructor should be contacted via the Sakai messaging capability.
Weekly Assignments (30%):

There are ten weekly assignments. Students will be responsible for completing six of these assignments during the course of the semester. Students are free to select which six assignments they respond to. The topic for the written assignment should align to topic covered in the lecture and/or readings for the week(s) the student elects to turn in an assignment. For instance, if a student elects to write a paper in week 2 (which would be assignment 1) they should be writing on the subject(s) of DoD decision support systems or program goals and strategies. Subsequent assignments (for a total of 6) follow the same guidance.

Produce a 500-1000 word (roughly 2-3 double spaced typewritten pages) critical analysis of the week’s topic. The object of the assignment is to challenge your thinking on the subject and to develop new perspectives. You are free to write the paper as you see fit, however you may want to consider one of the following approaches.

- Focus on how the readings relate to the week’s lesson and how your experience(s) influence or impact the topic. It is not necessary to integrate all of the readings into your paper, but you can if you like.
- Write to one or more of the lesson’s objectives and integrate any timely information and/or how the topic fits into the larger security realm writ large.
- Focus your writing on an issue or problem in the topic of the week and describe how you would approach addressing or fixing the issue/problem. It’s not enough to talk about what’s broken rather you should not only describe the problem but what steps need or should be taken to correct the problem

Each paper is worth fifty points and will be graded using the pass/fail criteria noted above. All assignments need to be completed by the end of lesson 12 if you are to get full credit for this area.

*It is expected that written assignments reflect the original work of the student.* In cases where the works of others are used it is expected that will be appropriately attributed/cited in accordance with the Chicago Manual of Style. Assignments containing the works of others that are not properly attributed/cited will be returned ungraded. Students may resubmit corrected assignments as long as they are received prior to the end of lesson 12.

**NOTE:** This requirement will close out much faster than you can imagine. It is **HIGHLY RECOMMENDED** that you complete this sooner in the course rather than later. Also, this assignment is intended to be an original work. Anything other than original work must be properly cited/attributed.

Student Presentations (15%):

Lessons 13 thru 15 of the course will be dedicated to student presentations. There are three options for how to approach this assignment.
Option 1

Each student will be expected to research, develop and present a case study, ideally on a security acquisition centric program/issue. Students may use an example of a security program/issue from their office or do research and find an example from another organization. The object of the case study is to provide an analysis of an event (or events) and to explore the underlying causation (for better or worse) of the event (or events) and identify key lessons learned and where appropriate provide recommendations on how the outcome(s) could have been changed. [NOTE: the ideal for this assignment is that a security-centric program be covered. However, should topic development prove to be a challenge a non-security-centric program can be selected instead. The key is to provide an analysis of the program and develop recommendation/lessons learned that can be extrapolated to a security acquisition program.]

While there is no set format for developing the case study, the following steps/points can be used as a developmental guide:

- Provide background and context for the program or issue being used as a case study.
- Identify any strengths or weaknesses that impact the case study.
- Identify both internal and external factors (people, organizations, events) that impact the case study.
- Provide an analysis of what went right, or wrong in the case study.
- Make recommendations for the future and/or provide lessons learned from the case study.

Option 2

Develop a presentation on a matter of acquisition security policy or procedure that has not otherwise been covered in the course material. Again, there is no set format for this presentation. However, the following steps/points can be used as a developmental guide:

- Provide background and context for the policy or procedure being discussed.
- Identify any factors (external or internal) that impact, for better or worse, policy or procedure execution.
- Identify any strengths or weaknesses in the policy or procedure.
- Make recommendations to strengthen any identified weaknesses or any other changes you feel are necessary to the policy or procedure under discussion.

Option 3

You may propose to the instructor an alternate presentation relevant to the course and in keeping with the intent of this assignment. Instructor approval is required for this option.

Regardless of option selected, students will develop a PowerPoint presentation with a recording of the presentation. If a recording cannot be completed then detailed speakers notes will need to be developed. Target time for each presentation is 20 minutes however this may be adjusted based on the number of presentations to be completed. [Note: if you assume 2 to 3 minutes per slide in a presentation you’re looking at 7 to 10 slides of substance for your presentation]
Discussion forums during these weeks will be centered on student presentations. Scheduling for student presentations will be on a first come, first served basis. The instructor will work to deconflict overlapping requests. In any event sign ups should be completed by lesson 10.

The final part of this assignment is the development of a reading list to support your presentation and a set of discussion questions based on the readings and presentation. All parts of this assignment are to be posted in Sakai. This assignment is intended to be an original work. Anything other than original work must be properly cited/attributed.

**Midterm Exam (15%):**

The course midterm exam will be distributed in at the beginning of lesson 8 and will be due at the end of the lesson 8. It will cover material from Lessons 1 through 7. The exam will measure student performance relative to the course objectives. The midterm exam will consist of no more than five essay questions from which students will prepare three responses. Written communication, critical thinking skills, and integration of class material into the essay responses will demonstrate mastery of the subject.

The expectation is that each question will be addressed in 2-3 double spaced pages (1000-1500 words). The midterm exam will be graded using the pass/fail criteria noted above and/or other instructions provided to students for this exam.

(IMPORTANT NOTE: The objective of this exam is to gauge your knowledge and your thoughts on the subject at hand. Do not cut and paste large tracts of text from readings or other sources into your answers. Exams that include this type of information will be returned ungraded. If not corrected, a failing grade will be assigned. Next, fully read the question you are about to answer. In most cases it will be a multipart question. Ensure you answer all parts of the question)

**Final Exam (15%):**

The course final exam will be distributed in lesson 16 and will be due at the end of lesson 16. The objective of the exam is to measure student performance relative to the course objectives. It will cover material from weeks 8 through 15 of class and will consist of no more than five essay questions from which students will prepare three responses. Written communication, critical thinking skills, and integration of class material into the essay responses will demonstrate mastery of the subject.

The expectation is that each question will be addressed in 2-3 double spaced pages (1000-1500 words). The final exam will be graded using the pass/fail criteria noted above and/or other instructions provided to students for this exam.

(IMPORTANT NOTE: The objective of this exam is to gauge your knowledge and your thoughts on the subject at hand. Do not cut and paste large tracts of text from readings or other
sources into your answers. Exams that include this type of information will be returned ungraded. If not corrected, a failing grade will be assigned. Next, fully read the question you are about to answer. In most cases it will be a multipart question. Ensure you answer all parts of the question)

Course Textbooks

The bulk of the readings for this course will draw from a variety of resources, such as authoritative readings (legislation, executive orders, policies, plans and strategies, and journals), implementation readings (government products that are responsive to or attempt to fulfill the requirements of authoritative documents), and external reviews (from the U.S. Government Accountability Office, Congressional Research Service, or other agency or office).

[Note: It is understood that in some cases readings may be dated, cancelled or superseded. The addition of these reading is for historical, background or informational purposes and as such continues to add value to this subject.]

Supplemental readings may be selected from the following texts:

  (Note: this is the standard style text for courses within the CDSE program. For the purposes of this course the text will be needed for bibliography and footnote purposes when writing papers (as needed) and presentations. Some information contained in the book can be found on-line.)

Course Reading Assignments:

The following is an overview of the course reading assignments. Specific reading assignments will be in the lesson of the week posted on Sakai.

Lesson 1: Course Overview


Lesson 2: Introduction to Acquisition I

  - Read Enclosure A.
• Defense Acquisition University. “Defense Acquisition Guidebook.”
  o Read Chapter 1.

Lesson 3: Introduction to Acquisition II
  o Read Enclosure 2.
  o Read pages 1-14 and skim/ review Appendix A.

Recommended Reading:
• Center for a New American Security. ”Smart Defense Acquisition: Learning from French Procurement Reform.” (Summer 2009).

Lesson 4: Introduction to Acquisition III
  o Read pages D3 thru D10.
  o Read Part 206 and 224 and Sub Parts 223.72, 252.204-7000, 252.204-7005, 252.209-7001, 252.209-7004 and 252.209-7998.
  o Read Part 6 and Sub Part 52-204.

Lesson 5: Security in the Acquisition Process I

Recommended Reading:

Lesson 6: Security in the Acquisition Process II
Lesson 9: Acquisition Security as a Specialty I – Policy

  - Read Chapters 1 & 2.
Lesson 10: Acquisition Security as a Specialty II – System Security Engineering

  - Read Chapter 13.14.

Recommended Reading:

  - Review Chapter 4.
Lesson 11: Acquisition Security as a Specialty III – Program Protection Planning

  https://dag.dau.mil/Pages/Default.aspx
  - Read Chapter 13.
  - Read Chapters 1 and 2.
  - Read Chapter 3.

Recommended Reading:

  http://www.ndia.org/Resources/ExportImportComplianceResources/Documents/Annotated%20ITAR%20(6%20Dec%202011).pdf
- Bureau of Industry and Security, U.S. Department of Commerce. Export Administration
  http://www.bis.doc.gov/policiesandregulations/ear/index.htm

Lesson 12: Acquisition Security as a Specialty IV – Supply Chain Security

  - Read Chapters 1 and 2. Scan/skim remaining document as needed.
- Miller, Jason. “Agencies, Vendors Ramping up to Fight Supply Chain Cyber Threats.”


Recommended Reading:

Lesson 13: Student Presentations I:
Readings are TBD at this time. Student developed readings and questions will be posted to Sakai.

Lesson 14: Student Presentations II:
Readings are TBD at this time. Student developed readings and questions will be posted to Sakai.

Lesson 15: Student Presentations III:
Readings are TBD at this time. Student developed readings and questions will be posted to Sakai.

Lesson 16: Wrap Up/Final Exam:
None.