

3/21/2017

Aircraft Combat Survivability Short Course

4 – 6 April 2017

AFIT Bane Hall Auditorium

Dayton, OH

DRAFT Agenda



Tuesday, 4 April 2017

Short Course Lectures are at Classified SECRET, NOFORN Level

| | | Instructor | Time |
|----|---|---|-------------|
| | Course Check-in | | 0700 – 0730 |
| 1 | Welcome to the Short Course & Admin & Security | Prof. Christopher Adams (NPS) | 0730 – 0755 |
| 2 | Keynote | Col Larkin (Commander of NASIC) | 0755 – 0825 |
| 3 | Introduction to Aircraft Combat Survivability | Prof. Christopher Adams | 0825 – 0930 |
| | Break | | 0930 – 0945 |
| 4 | One-on-One Engagement, Mission and Campaign Analyses | Prof. Christopher Adams | 0945 – 1030 |
| 5 | Survivability Enhancements | Prof. Christopher Adams | 1030 – 1130 |
| | Lunch | | 1130 – 1215 |
| 6 | Integrated Survivability Assessment (w/ discussion of Analysis and use of Probabilities) | Dr. Mark Couch | 1215 – 1300 |
| 7 | Combat Data Lecture is Classified SECRET, NOFORN | Dr. Mark Couch | 1300 – 1330 |
| | Break | | 1330 – 1345 |
| 8 | AFRL Laser Survivability Overview Lecture is Classified SECRET | Mr. Jared Petry (LHMEL) | 1345 – 1415 |
| 9 | Aircraft Survivability - Historical Perspective | Mr. David Legg (CS F/W Branch Head) | 1415 – 1500 |
| 10 | Problem Session and Q&A | Prof. Christopher Adams | 1500 – 1510 |
| | Break | | 1510 – 1520 |
| 11 | DIME Lab tours Sensors Directorate (Groups 1 & 2) Test Range tour (Group 3) | Capt Andrew Lingenfelter & Maj David Liu Mr. Jared Petry | 1520 – 1630 |

Wednesday, 5 April 2017

Short Course Lectures are at Classified SECRET, NOFORN Level

| | | Instructor | Time |
|----|--|---|-------------|
| | Daily Check-in | | 0700 – 0730 |
| 12 | Review Day One, Problem Session and Q&A | Prof. Christopher Adams | 0730 – 0740 |
| 13 | JCAT / ASDAT Brief & Video Lecture is Classified SECRET | Mr. Greg Fuchs (JCAT / ASDAT) | 0740 – 0830 |
| 14 | Current Threats Intel Brief, SAF Threats & Analysis Lecture is Classified SECRET, NOFORN | Mr. Jeff Whitmire (JCAT / ASDAT) | 0830 – 0910 |
| | Break | | 0910 – 0925 |
| 15 | Overview of Susceptibility, Aircraft Signatures Lecture is Classified SECRET, NOFORN | Lt Col Rich Huffman (Fmr Commander, National RCS Test Facility) | 0925 – 1025 |
| 16 | Radar, Electronic Warfare, Threat Ops Lecture is Classified SECRET, NOFORN | Lt Col Rich Huffman (Fmr Commander, National RCS Test Facility) | 1025 – 1130 |
| | Lunch | | 1130 – 1215 |
| 17 | Live Fire Test and Evaluation/Joint Live Fire Lecture is Classified SECRET, NOFORN | Dr. Sandra Ugrina (Deputy Director for LFT&E) | 1215 – 1315 |
| 18 | HPRF / DE Weapon Survivability | Mr. John Tatum (DSIAC) | 1315 – 1345 |
| | Break | | 1345 – 1400 |
| 19 | IR Signatures & Countermeasures, SR Technologies Lecture is Classified SECRET, NOFORN | Maj David Liu (AFIT Professor) | 1400 – 1615 |
| 20 | Susceptibility Discussion and Q&A | Adams, Couch, Huffman, Liu | 1615 – 1630 |

3/21/2017

Thursday, 6 April 2017

Short Course Lectures are at Classified SECRET, NOFORN Level

| | | Instructor | Time |
|----|--|---|-------------|
| | Daily Check-in | | 0700 – 0730 |
| 21 | Review Day Two (Problem Session) | Prof. Christopher Adams | 0730 – 0740 |
| 22 | Threat Effects and Damage Processes | Capt Andrew Lingenfelter (AFIT Professor) | 0740 – 0815 |
| 23 | Vulnerability Reduction Technology | Capt Andrew Lingenfelter | 0815 – 0900 |
| | Break | | 0900 – 0915 |
| 24 | Critical Components and Vulnerability Assessment | Prof. Christopher Adams | 0915 – 1000 |
| 25 | Force Protection and Recoverability | Dr. Mark Couch | 1000 – 1045 |
| | Break | | 1045 – 1100 |
| 26 | Personnel Survivability and Human Systems Integration | TBD (AF 711 th Human Performance) | 1100 – 1130 |
| | Lunch | | 1130 – 1215 |
| 27 | JASPO Overview | Mr. Dennis Lindell (Director JASP) | 1215 – 1245 |
| 28 | Large Transport Specific Aspects of Survivability, C17 Ops Lecture is Classified SECRET, NOFORN | Mr. David Legg (CS F/W Branch Head, P-8A) Maj Ken Burgi (AFIT Professor) | 1245 – 1330 |
| | Break | | 1330 – 1345 |
| 29 | Helicopter Specific Aspects of Survivability Lecture is Classified SECRET, NOFORN | LT Chris Waddell (Rotary Wing Weapons School) TBD | 1330 – 1415 |
| 30 | Fighter Operations and Survivability Lecture is Classified SECRET, NOFORN | Lt Col Robison (F-35 Instructor, Eglin AFB) | 1415 – 1500 |
| | Break | | 1500 – 1510 |
| 31 | A/C Survivability Design & Optimization and Q&A Forum | Prof. Christopher Adams, Dr. Mark Couch, Lt Col Rich Huffman, Maj David Liu, Capt Andrew Lingenfelter | 1510 – 1530 |
| 32 | Course Wrap Up (Surveys & Certificates) | Prof. Christopher Adams | 1530 – 1545 |
| | FINEX | | 1545 |

National Museum of the United States Air Force open until 5pm each day (1100 Spatz St)