

4/1/2010

# Aircraft Combat Survivability Short Course

## May 2010

Naval Postgraduate School  
Monterey, California

### Final Agenda



#### Tuesday, 4 May 2010

	Instructor	Time
Course Check-in – Continental Breakfast		0715 – 0800
Welcome & Admin for the Short Course	Prof. Christopher Adams (NPS)	0800 – 0820
Greetings from NPS President	VADM Oliver, NPS President	TBD
Personal Welcome	Dr. Robert Ball	0820 – 0835
Aircraft Survivability Course Keynote Address	RADM Robert Gormley, USN (Ret.)	0835 – 0910
Introduction to Aircraft Combat Survivability	Prof. Christopher Adams (NPS)	0910 – 1000
<b>Break</b>		1000 – 1015
Probability & Survivability Assessment	Prof. Christopher Adams	1015 – 1030
Survivability Assessment: One-on-One Engagement	Prof. Christopher Adams	1030 – 1100
Survivability Assessment: Mission and Campaign Analyses	Prof. Christopher Adams	1100 – 1130
Survivability Enhancements	Prof. Christopher Adams	1130 – 1215
Lunch in La Novia Room		1215 – 1330
Survivability Assessment Process & Methodology	Dr. Mark Couch (IDA)	1330 – 1410
Historical Aircraft Combat Data	Dr. Mark Couch	1410 – 1510
<b>Break</b>		1510 – 1525
Personnel Casualties	Dr. Lowell Tonnessen (IDA)	1525 – 1610
JASPO Overview	Mr. Dennis Lindell (Director, JASP)	1610 – 1635
Spacecraft Survivability	Ms. Meghan Buchanan (Lockheed Martin)	1635 – 1655
Problem Session and Q&A	Prof. Christopher Adams	1655 – 1705

#### Wednesday, 5 May 2010

	Instructor	Time
Daily Check-in		0730 – 0800
Review Day One	Prof. Christopher Adams	0800 – 0805
Current Threats Brief	Ms. Kris Dennis-Young (NAVAIR)	0805 – 0845
Overview of Susceptibility, Aircraft Signatures, Threat Operations, Susceptibility Reduction Technology	Maj. Rich Huffman (AFIT)	0845 – 1000
<b>Break</b>		1000 – 1015
Radar Fundamentals and Electronic Warfare	Maj. Rich Huffman (AFIT)	1015 – 1215
Lunch in La Novia Room		1215 – 1330
IR Fundamentals	Prof Knox Millsaps (NPS)	1330 – 1345
Iraq IR countermeasures for Helos	Maj Bryan Forney (USNA)	1345 – 1530
<b>Break</b>		1530 – 1545
F-117A Program Review	Alan Brown (F117A Chief Engineer)	1545 – 1700
Q&A (Problems TBD)	All Instructors for the Day	1700 – 1705
Relocate to Dinner at Cannery Row		
Dinner <i>Taste of Monterey on Cannery Row</i>	Everyone & Guests	1815 – 2100

4/1/2010

**Thursday, 6 May 2010**

	<b>Instructor</b>	<b>Time</b>
Daily Check-in		0730 – 0800
Review Day Two (Problem Session)	Prof. Christopher Adams	0800 – 0810
Threat Effects and Damage Processes	Dr. Mark Couch	0810 – 0845
Identification of Critical Components	Prof. Christopher Adams	0845 – 0915
Vulnerability Assessment	Prof. Christopher Adams	0915 – 1000
Break		1000 – 1015
Helicopter Specific Aspects of Survivability	Lou Roncase (China Lake)	1015 – 1115
Live Fire Test and Evaluation/Joint Live Fire	Mr. Richard Sayre (Director LFT&E)	1115 – 1215
Lunch in La Novia Room		1215 – 1330
BDR, Safety, and Reliability	Dr. Mark Couch	1330 – 1345
Vulnerability Reduction Technology	Dr. Mark Couch	1345 – 1420
JCAT / ASDAT Brief & Video ( <b>Classified SECRET</b> )	Mr. Greg Fuchs (ASDAT)	1420 – 1530
Break		1530 – 1540
Tactics & Survivability	Mr. Gerry “Spud” Gallop (Tactical Air Support)	1540 – 1645
Problem Session and Q&A	All Instructors for the Day	1645 – 1700

**Friday, 7 May 2010**

	<b>Instructor</b>	<b>Time</b>
Check-in		0730 – 0800
Review Day Three	Prof. Christopher Adams	0800 – 0810
SURVIAC / Models and Simulations	Mr. Kevin Crosthwaite (SURVIAC)	0810 – 0855
Large Transport Specific Aspects of Survivability	Mr. David Legg (NAWC AD P-8A Team Lead)	0855 – 0950
Break		0950 – 1000
Fighter Specific Aspects of Survivability	Mr. William Dooley (NAVAIR JSF Sur IPT Lead)	1000 – 1115
Group Projects	3 Groups Working on Aircraft Survivability Analysis	1115 – 1145
Course Wrap Up	Prof. Christopher Adams and Dr. Mark Couch	1145 – 1200