

5/25/2021

Aircraft Combat Survivability Short Course

21-23 Sep 2021

GTRI

250 14th Street NW Atlanta, GA 30318

Agenda



Tuesday, 21 Sep 2021

Short Course Lectures are at Classified SECRET, NOFORN Level

		Instructor	Time
	Course Check-in		0700 – 0800
1	Welcome to the Short Course & Admin & Security	Prof. Christopher Adams (NPS)	0800 – 0810
2	Introduction to Aircraft Combat Survivability	Prof. Christopher Adams (mod 1)	0810 – 0945
	Break		0945 – 1000
3	Integrated Survivability Assessment, Survivability Testing, and Trade Studies	Dr. Mark Couch (Institute for Defense Analyses) (IDA) (mod 2)	1000 – 1045
4	Kill Chain; 1v1, Msn, Campaign Survivability; System Safety	Prof. Christopher Adams (mod 3)	1045 – 1130
	Lunch / Threat Effects Video		1130 – 1215
5	Combat Data Lecture is Classified SECRET, NOFORN	TBA	1215 – 1300
	Break		1300 – 1315
6	Live Fire Test and Evaluation/Joint Live Fire Lecture is Classified SECRET, NOFORN	TBA	1315 – 1400
7	Current Threats Intel Brief, SAF Threats & Analysis Lecture is Classified SECRET, NOFORN	TBA	1400 – 1445
	Break		1545 – 1500
8	Survivability Enhancements	Prof. Christopher Adams (mod 3.5)	1500 – 1545
9	Rotary Wing Tactics Lecture is Classified SECRET, NOFORN	TBA	1545 – 1630
10	Problem Session and Q&A	Prof. Christopher Adams	1630 – 1645

Wednesday, 22 Sep 2021

Short Course Lectures are at Classified SECRET, NOFORN Level

		Instructor	Time
	Daily Check-in		0700 – 0800
11	Review Day One, Problem Session and Q&A	Prof. Christopher Adams (NPS)	0800 – 0805
12	Aircraft Cyber Combat Survivability (ACCS) Lecture is Classified SECRET, NOFORN	TBA	0805 – 0915
	Break		0915 – 0930
13	Susceptibility Overview, Threat Operations, Acoustics, and Visual Signatures Lecture is Classified SECRET, NOFORN	TBA	0930 – 1145
	Lunch / Threat Effects Video		1145 – 1230
14	Susceptibility Radar Signature, Electronic Warfare Lecture is Classified SECRET, NOFORN	TBA	1230 – 1330
	Break		TBD
15	Susceptibility IR Signature, IR camera demo Lecture is Classified SECRET, NOFORN	TBA	1330 – 1530
	Break		1530 – 1545
16	Introduction to Infrared Signatures Lecture is Classified SECRET, NOFORN	TBA	1545 – 1630
17	Susceptibility Discussion and Q&A	Adams, Couch, Huffman, Liu	1645 – 1655

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Thursday, 23 Sep 2021

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		Instructor	Time
	Daily Check-in		0700 – 0800
18	Review Day Two (Problem Session)	Prof. Christopher Adams	0800 – 0805
19	Critical Components and Vulnerability Assessment	Prof. Christopher Adams (mod 8a)	0805 – 0900
	Break		0900 – 0915
20	JCAT / ASDAT Brief & Video Lecture is Classified SECRET	TBA	0915 – 0945
	Break		0945 – 1000
21	Threat Effects, Damage Processes	Dr. Rich Huffman (IDA) (Lt Col, Ret), Lt Col David Liu, Lt Col Michael Walker (AFIT)	1000 – 1045
22	Vulnerability Reduction Technology	Dr. Rich Huffman, Lt Col Liu, Lt Col Michael Walker (mod 8b)	1045 – 1115
	Lunch		1115 – 1200
23	Force Protection and Post Flight Recoverability	Dr. Mark Couch (mod 9)	1200 – 1230
24	B-2 Specific Aspects of Survivability (or F-35) Lecture is Classified SECRET, NOFORN	TBD	1230 – 1315
	Break		1315 – 1330
25	Helicopter Specific Aspects of Survivability Lecture is Classified SECRET, NOFORN	TBA	1330 – 1415
26	A/C Survivability Design & Optimization Q&A Lecture is Classified SECRET, NOFORN	TBA	1415 – 1430
27	Course Wrap Up (Surveys & Certificates)	Prof. Christopher Adams (mod 10)	1430 – 1445
	FINEX		Before 1500