

# KOREA AEROSPACE UNIVERSITY

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<b>Course Title</b>	Aviation Safety and Security
<b>Your Instructor</b>	Alan Frazier University of North Dakota Email Address: afrazier@aero.und.edu
<b>Course Meetings</b>	July 2 – July 17, 2018 Monday-Thursday(14:00~17:30), Friday (14:00~15:40),

<b>Course Overview</b>	The course provides an overview of aviation safety and security. Topics addressed include: Navigating the NTSB website; Safety Management Systems (SMS); Aeronautical Decision Making (ADM); Crew Resource Management (CRM); runway incursions; mountain flying; helicopter accidents; bird strikes; hazardous weather; and airport/airline security.
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<b>Your Materials</b>	There is no required textbook for the course. PDF versions of the lecture slides will be made available via a DropBox account.
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<b>Evaluation</b>	<p>Examination: There will be a single exam which will be administered on the final day of class. The exam will consist of 50 multiple choice questions.</p> <p>Project: Group project will require a 10-15 min class presentation on an NTSB investigated aircraft accident. Each presentation should include: Make an model of aircraft(s) involved; Pilot ratings, flight hours, and age of flight crew; location; weather; synopsis of what occurred; cause(s); and MOST IMPORTANTLY lessons learned.</p> <p>Attendance: 1 point for each lecture attended (20 lectures, not counting ISP Orientation and Exam, = 20 points). You must be punctual in arriving and remain for the entire lecture to earn the point.</p> <p>Exam: 50%                  Accident Presentation: 30%                  Attendance: 20%</p>

<b>Grading Scale</b>	Points	Grade	GPA
	95 or Above	A+	4.5
	90 or Above	A0	4.0
	85 or Above	B+	3.5
	80 or Above	B0	3.0
	75 or Above	C+	2.5
	70 or Above	C0	2.0
	65 or Above	D+	1.5
	60 or Above	D	1.0
	59 or Below	Fail	0

### Course Calendar

	<b>Date</b>	<b>Class Hours</b>	<b>Subject</b>
Lecture 1	July 2	14:00~15:40	KAU ISP Orientation
Lecture 2	(Monday)	15:50~17:30	Course Overview and Introductions
Lecture 3	July 3	14:00~15:40	Field Trip
Lecture 4	(Tuesday)	15:50~17:30	
Lecture 5	July 4	14:00~15:40	Safety Philosophy and Navigating the NTSB Website
Lecture 6	(Wednesday)	15:50~17:30	Safety Management System (SMS)
Lecture 7	July 5	14:00~15:40	Aeronautical Decision Making (ADM)
Lecture 8	(Thursday)	15:50~17:30	Aeronautical Decision Making (ADM)
Lecture 9	July 6 (Friday)	14:00~15:40	Crew Resource Management (CRM)
Lecture 10	July 9	14:00~15:40	Tenerife Accident Video
Lecture 11	(Monday)	15:50~17:30	Runway Incursions
Lecture 12	July 10	14:00~15:40	Field Trip
Lecture 13	(Tuesday)	15:50~17:30	
Lecture 14	July 11	14:00~15:40	Mountain Flying
Lecture 15	(Wednesday)	15:50~17:30	Fatigue/Helicopter Accidents
Lecture 16	July 12	14:00~15:40	Bird Strikes
Lecture 17	(Thursday)	15:50~17:30	Hazardous Weather
Lecture 18	July 13 (Friday)	14:00~15:40	Airport and Airline Security
Lecture 19	July 16	14:00~15:40	Exam Review and Accident Presentations (2)
Lecture 20	(Monday)	15:50~17:30	Accident Presentations (4)

Lecture 21	July 17 (Tuesday)	14:00~15:40	Accident Presentations (4)
Lecture 22		15:50~17:30	Exam and Debrief