

Course Schedule - Fall 2004

Aviation

090 **Orientation Refresher** Credit: 0 hours.

(AVI 102) Course provides the student with additional aeronautical experience to develop the required proficiency to successfully complete the objectives of a flight course, pilot certificate, or aircraft rating. The flight hours may be divided between dual instruction or solo flight as required to meet the student's needs. The amount of dual vs. solo time and aircraft to be used will be determined by the chief pilot. Students enrolled in this course will also participate in up to 5 hours of research flight experiments. Prerequisite: Consent of director. May be repeated.

Additional Flight Fee Required. Departmental approval by Chief of Pilot Training is required.

CRN	Type	Section	Time	Days	Location	Instructor
37152	FL	FA	06:00 AM - 07:59 AM	MWF	room ARR Willard Airport	Phillips, S
37152: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
37153	FL	FB	08:00 AM - 09:59 AM	MWF	room ARR Willard Airport	Phillips, S
37153: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
37154	FL	FC	10:00 AM - 11:59 AM	MWF	room ARR Willard Airport	Phillips, S
37154: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
37155	FL	FD	01:00 PM - 02:59 PM	MWF	room ARR Willard Airport	Phillips, S
37155: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
37156	FL	FE	03:00 PM - 04:59 PM	MWF	room ARR Willard Airport	Phillips, S
37156: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
37157	FL	FF	05:00 PM - 06:59 PM	MWF	room ARR Willard Airport	Phillips, S
37157: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
37158	FL	FG	06:00 AM - 07:59 AM	TRS	room ARR Willard Airport	Phillips, S
37158: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
37159	FL	FH	08:00 AM - 09:59 AM	TRS	room ARR Willard Airport	Phillips, S
37159: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
37160	FL	FI	10:00 AM - 11:59 AM	TRS	room ARR Willard Airport	Phillips, S
37160: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						

37161	FL	FJ	01:00 PM - 02:59 PM	TRS	room ARR Willard Airport	Phillips, S
37161: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
37163	FL	FK	03:00 PM - 04:59 PM	TRS	room ARR Willard Airport	Phillips, S
37163: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
37165	FL	FL	05:00 PM - 06:59 PM	TRS	room ARR Willard Airport	Phillips, S
37165: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						

101 *Private Pilot, I* Credit: 3 hours.

(AVI 101) The first of a two course sequence to prepare for FAA Private Pilot certification. Includes classroom instruction on aerodynamics, airplane systems, airport and airplane operations, federal regulations and airplane safety. Also includes 26.4 hours of flight training and 3 hours in a flight simulator in the flight laboratory. Students enrolling in this course will also participate in up to 5 hours of research flight experiments. Private Pilot certification requires the completion of AVI 120 Prerequisite: Consent of director.

Additional Flight Fee Required. Departmental approval by Chief of Pilot Training is required. Students must register for one lecture-discussion and one flight section.

CRN	Type	Section	Time	Days	Location	Instructor
37099	lecture-discussion	AE1	03:30 PM - 05:00 PM	MW	room 106B1 Engineering Hall	Nannini, J
37099: Departmental Approval Required						
37099: UIUC Flight Fee 3,038.00 dollars.						
37101	lecture-discussion	AE2	03:30 PM - 05:00 PM	TR	room 106B1 Engineering Hall	Talleur, D
37101: Departmental Approval Required						
37101: UIUC Flight Fee 3,038.00 dollars.						
37108	FL	AFA	06:00 AM - 08:00 AM	MWF	room ARR Willard Airport	
37108: Departmental Approval Required						
37109	FL	AFB	08:00 AM - 10:00 AM	MWF	room ARR Willard Airport	
37109: Departmental Approval Required						
37110	FL	AFC	10:00 AM - 12:00 PM	MWF	room ARR Willard Airport	
37110: Departmental Approval Required						
37111	FL	AFD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	
37111: Departmental Approval Required						

37112	FL	AFE	03:00 PM - 05:00 PM	MWF	room ARR Willard Airport	
37112: Departmental Approval Required						
37145	FL	AFF	05:00 PM - 07:00 PM	MWF	room ARR Willard Airport	
37145: Departmental Approval Required						
37146	FL	AFG	06:00 AM - 08:00 AM	TRS	room ARR Willard Airport	
37146: Departmental Approval Required						
37147	FL	AFH	08:00 AM - 10:00 AM	TRS	room ARR Willard Airport	
37147: Departmental Approval Required						
37148	FL	AFI	10:00 AM - 12:00 PM	TRS	room ARR Willard Airport	
37148: Departmental Approval Required						
37149	FL	AFJ	01:00 PM - 03:00 PM	TRS	room ARR Willard Airport	
37149: Departmental Approval Required						
37150	FL	AFK	03:00 PM - 05:00 PM	TRS	room ARR Willard Airport	
37150: Departmental Approval Required						
37151	FL	AFL	05:00 PM - 07:00 PM	TRS	room ARR Willard Airport	
37151: Departmental Approval Required						

120 *Private Pilot, II* Credit: 3 hours.

(AVI 120) Second of a two course sequence to prepare for FAA Private Pilot certification. Includes classroom instruction on airplane operation, navigation, night flying and meteorology. Includes 34.5 hours of flight training and 3 hours in a flight simulator in the flight laboratory. Students enrolling in this course will also participate in up to 5 hours of research flight experiments. Students successfully completing final examinations will be issued a Private Pilot certificate. Credit is not given for both AVI 120 and 121. Prerequisite: AVI 101 and consent of director.

Departmental approval by Chief of Pilot Training is required. Additional Flight Fee Required. Students must register for one lecture-discussion and one flight section.

CRN	Type	Section	Time	Days	Location	Instructor
37166	lecture-discussion	AE1	08:00 AM - 09:30 AM	TR	room 252 Mechanical Engineering Bldg	West, L
37166: Departmental Approval Required						
37166: UIUC Flight Fee 3,927.00 dollars.						

37169	FL	AFA	06:00 AM - 08:00 AM	MWF	room ARR Willard Airport	
37169: Departmental Approval Required						
37170	FL	AFB	08:00 AM - 10:00 AM	MWF	room ARR Willard Airport	
37170: Departmental Approval Required						
37171	FL	AFC	10:00 AM - 12:00 PM	MWF	room ARR Willard Airport	
37171: Departmental Approval Required						
37172	FL	AFD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	
37172: Departmental Approval Required						
37173	FL	AFE	03:00 PM - 05:00 PM	MWF	room ARR Willard Airport	
37173: Departmental Approval Required						
37174	FL	AFF	05:00 PM - 07:00 PM	MWF	room ARR Willard Airport	
37174: Departmental Approval Required						
37175	FL	AFG	06:00 AM - 08:00 AM	TRS	room ARR Willard Airport	
37175: Departmental Approval Required						
37176	FL	AFI	10:00 AM - 12:00 PM	TRS	room ARR Willard Airport	
37176: Departmental Approval Required						
37177	FL	AFJ	01:00 PM - 03:00 PM	TRS	room ARR Willard Airport	
37177: Departmental Approval Required						
37178	FL	AFK	03:00 PM - 05:00 PM	TRS	room ARR Willard Airport	
37178: Departmental Approval Required						
37179	FL	AFL	05:00 PM - 07:00 PM	TRS	room ARR Willard Airport	
37179: Departmental Approval Required						

121 Private Pilot, Requalification Credit: 2 hours.

(AVI 121) Forty-five classroom hour transitional course for students entering the Institute with a Private Pilot certificate who desire to continue in the Commercial-instrument sequence (AVI 130 through 210/211). Includes instruction on airplane operations, navigation, and meteorology. Includes 17 hours of flight training and 3 hours in a flight simulator in the flight laboratory. Students enrolling in this course will also participate in up to 5 hours of research flight experiments Credit is not given for both AVI 120 and 121. Prerequisite: Private Pilot certificate (with

a minimum of 60 hours of flight), and consent of director.

Departmental approval by Chief of Pilot Training is required. Additional Flight Fee Required. Students must register for one lecture-discussion and one flight section.

CRN	Type	Section	Time	Days	Location	Instructor
37180	lecture-discussion	AE1	08:00 AM - 09:30 AM	TR	room 252 Mechanical Engineering Bldg	West, L
37180: Departmental Approval Required						
37180: UIUC Flight Fee 2,065.00 dollars.						
37181	FL	AFA	06:00 AM - 08:00 AM	MWF	room ARR Willard Airport	
37181: Departmental Approval Required						
37182	FL	AFB	08:00 AM - 10:00 AM	MWF	room ARR Willard Airport	
37182: Departmental Approval Required						
37232	FL	AFC	10:00 AM - 12:00 PM	MWF	room ARR Willard Airport	
37232: Departmental Approval Required						
37234	FL	AFD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	
37234: Departmental Approval Required						
37236	FL	AFE	03:00 PM - 05:00 PM	MWF	room ARR Willard Airport	
37236: Departmental Approval Required						
37239	FL	AFF	05:00 PM - 07:00 PM	MWF	room ARR Willard Airport	
37239: Departmental Approval Required						
37241	FL	AFG	06:00 AM - 08:00 AM	TRS	room ARR Willard Airport	
37241: Departmental Approval Required						
37244	FL	AFI	10:00 AM - 12:00 PM	TRS	room ARR Willard Airport	
37244: Departmental Approval Required						
37247	FL	AFJ	01:00 PM - 03:00 PM	TRS	room ARR Willard Airport	
37247: Departmental Approval Required						
37248	FL	AFK	03:00 PM - 05:00 PM	TRS	room ARR Willard Airport	

37248: Departmental Approval Required						
37249	FL	AFL	05:00 PM - 07:00 PM	TRS	room ARR Willard Airport	
37249: Departmental Approval Required						

130 Commercial - Instrument, I Credit: 3 hours.

(AVI 130) First of a two course sequence to prepare the private pilot for the instrument rating; reviews cross-country flight with an emphasis on instrument approaches and enroute instrument procedures; includes 45 hours classroom instruction on instrument flying, navigation, aircraft instruments, and regulations. Includes 28.2 hours of flight training and 8 hours in a flight simulator in the flight laboratory. Students enrolling in this course will also participate in up to 5 hours of research flight experiments. Issuance of the instrument rating requires completion of AVI 140. Prerequisite: AVI 120 or 121, and consent of director.

Additional Flight Fee Required. Departmental approval by Chief of Pilot Training is required. Students must register for one lecture-discussion and one flight section.

CRN	Type	Section	Time	Days	Location	Instructor
37250	lecture-discussion	AE1	03:30 PM - 05:00 PM	MW	room 218 Ceramics Bldg	Jones, W
37250: Departmental Approval Required						
37250: UIUC Flight Fee 3,453.00 dollars.						
37251	FL	AFA	06:00 AM - 08:00 AM	MWF	room ARR Willard Airport	
37251: Departmental Approval Required						
37252	FL	AFB	08:00 AM - 10:00 AM	MWF	room ARR Willard Airport	
37252: Departmental Approval Required						
37253	FL	AFC	10:00 AM - 12:00 PM	MWF	room ARR Willard Airport	
37253: Departmental Approval Required						
37254	FL	AFD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	
37254: Departmental Approval Required						
37255	FL	AFG	06:00 AM - 08:00 AM	TRS	room ARR Willard Airport	
37255: Departmental Approval Required						
37256	FL	AFH	08:00 AM - 10:00 AM	TRS	room ARR Willard Airport	
37256: Departmental Approval Required						
37257	FL	AFI	10:00 AM - 12:00 PM	TRS	room ARR Willard Airport	

37257: Departmental Approval Required						
37258	FL	AFJ	01:00 PM - 03:00 PM	TRS	room ARR Willard Airport	
37258: Departmental Approval Required						
37259	FL	AFK	03:00 PM - 05:00 PM	TRS	room ARR Willard Airport	
37259: Departmental Approval Required						
37260	FL	AFL	05:00 PM - 07:00 PM	TRS	room ARR Willard Airport	
37260: Departmental Approval Required						

140 Commercial - Instrument, II Credit: 3 hours.

(AVI 140) Second of a two course sequence to prepare the private pilot for the instrument rating. Includes forty-five hours classroom instruction on advanced maneuvers, aerodynamics, navigation, and aircraft systems. Includes 30.2 hours of flight training and 8 hours in a flight simulator in the flight laboratory. Students enrolling in this course will also participate in up to 5 hours of research flight experiments Prerequisite: AVI 130 and consent of director.

Additional Flight Fee Required. Departmental approval by Chief of Pilot Training is required. Students must register for one lecture-discussion and one flight section.

CRN	Type	Section	Time	Days	Location	Instructor
37261	lecture-discussion	AE1	10:30 AM - 11:50 AM	MW	room 252 Mechanical Engineering Bldg	Lucas, D
37261: Departmental Approval Required						
37261: UIUC Flight Fee 3,748.00 dollars.						
37262	FL	AFA	06:00 AM - 08:00 AM	MWF	room ARR Willard Airport	
37262: Departmental Approval Required						
37263	FL	AFB	08:00 AM - 10:00 AM	MWF	room ARR Willard Airport	
37263: Departmental Approval Required						
37264	FL	AFD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	
37264: Departmental Approval Required						
37265	FL	AFE	03:00 PM - 05:00 PM	MWF	room ARR Willard Airport	
37265: Departmental Approval Required						
37267	FL	AFF	05:00 PM - 07:00 PM	MWF	room ARR Willard Airport	
37267: Departmental Approval Required						

37268	FL	AFG	06:00 AM - 08:00 AM	TRS	room ARR Willard Airport	
37268: Departmental Approval Required						
37269	FL	AFH	08:00 AM - 10:00 AM	TRS	room ARR Willard Airport	
37269: Departmental Approval Required						
37271	FL	AFI	10:00 AM - 12:00 PM	TRS	room ARR Willard Airport	
37271: Departmental Approval Required						
37273	FL	AFJ	01:00 PM - 03:00 PM	TRS	room ARR Willard Airport	
37273: Departmental Approval Required						
37274	FL	AFK	03:00 PM - 05:00 PM	TRS	room ARR Willard Airport	
37274: Departmental Approval Required						
37276	FL	AFL	05:00 PM - 07:00 PM	TRS	room ARR Willard Airport	
37276: Departmental Approval Required						

184 Aircraft Systems for Pilots Credit: 3 hours.

(AVI 184) Basic aircraft systems, their components, and theory of operation. Familiarization of Federal Aviation Administration maintenance rules and regulations applicable to pilots.

CRN	Type	Section	Time	Days	Location	Instructor
30277	lecture-discussion	A	03:00 PM - 05:00 PM	TR	room Q3 Willard Airport: Q3	West, L

199 Undergraduate Open Seminar Credit: 1 to 5 hours.

(AVI 199) May be repeated.

CRN	Type	Section	Time	Days	Location	Instructor
10397	independent study		ARRANGED			
10397: Instructor Approval Required						
40314	lecture-discussion	RT	01:00 PM - 02:20 PM	MW	room 145 Armory	Thomas, R

200 Commercial Pilot, I Credit: 4 hours.

(AVI 200) Advanced course in preparation toward the FAA Commercial Pilot Certification. Includes 39.5 hours of flight (22.5 hours dual, 15.5 hours solo, and 1.5 hour flight exam), and 6 hours in a Flight Training Device. Includes 45 hours of classroom instruction covering cross country procedures, appropriate federal aviation regulations, maintenance inspections, and pilot responsibilities. Emphasis is on complex airplane operation and instrument flying procedures. Successful completion is required prior to enrolling in AVI 210 (or AVI 211). Students enrolling in this course will also participate in up to 5 hours of aviation research experiments conducted by Institute of Aviation staff. Prerequisite: Successful completion of AVI 140 and consent of director.

Additional Flight Fee Required. Departmental approval by Chief of Pilot Training is required. Students must register for one lecture-discussion and one flight section.

CRN	Type	Section	Time	Days	Location	Instructor
37280	lecture-discussion	AE1	10:30 AM - 11:59 AM	TR	room 252 Mechanical Engineering Bldg	Shelton, K
37280: Departmental Approval Required						
37280: UIUC Flight Fee 5,104.00 dollars.						
37293	FL	AFA	06:00 AM - 08:00 AM	MWF	room ARR Willard Airport	
37293: Departmental Approval Required						
37296	FL	AFB	08:00 AM - 10:00 AM	MWF	room ARR Willard Airport	
37296: Departmental Approval Required						
37298	FL	AFC	10:00 AM - 12:00 PM	MWF	room ARR Willard Airport	
37298: Departmental Approval Required						
37301	FL	AFD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	
37301: Departmental Approval Required						
37304	FL	AFE	03:00 PM - 05:00 PM	MWF	room ARR Willard Airport	
37304: Departmental Approval Required						
37307	FL	AFF	05:00 PM - 07:00 PM	MWF	room ARR Willard Airport	
37307: Departmental Approval Required						
37309	FL	AFG	06:00 AM - 08:00 AM	TRS	room ARR Willard Airport	
37309: Departmental Approval Required						
37311	FL	AFH	08:00 AM - 10:00 AM	TRS	room ARR Willard Airport	
37311: Departmental Approval Required						

37313	FL	AFJ	01:00 PM - 03:00 PM	TRS	room ARR Willard Airport	
37313: Departmental Approval Required						
37315	FL	AFK	03:00 PM - 05:00 PM	TRS	room ARR Willard Airport	
37315: Departmental Approval Required						
37318	FL	AFL	05:00 PM - 07:00 PM	TRS	room ARR Willard Airport	
37318: Departmental Approval Required						

210 **Commercial Pilot, II** Credit: 4 hours.

(AVI 210) Final course in a series of advanced lecture/flight courses in preparation for the FAA Commercial Pilot Certificate with Instrument Rating. Includes 38.7 hours of flight (21.5 hours dual, 15.7 hours solo, 1.5 hour flight exam), and 7 hours in a Flight Training Device. Includes 45 hours of classroom instruction covering cross country procedures appropriate federal aviation regulations, commercial maneuvers, and pilot responsibilities. Emphasis is on complex airplane operation and commercial maneuvers. Students enrolling in this course will also participate in up to 5 hours of aviation research experiments conducted by Institute of Aviation staff. Credit is not given for both AVI 210 and 211. Prerequisite: Successful completion of AVI 200 and consent of director.

Additional Flight Fee Required. Departmental approval by Chief of Pilot Training is required. Students must register for one lecture-discussion and one flight section.

CRN	Type	Section	Time	Days	Location	Instructor
37319	lecture-discussion	AE1	01:00 PM - 02:20 PM	TR	room 335 Mechanical Engineering Bldg	Suppok, R
37319: Departmental Approval Required						
37319: UIUC Flight Fee 5,070.00 dollars.						
37332	FL	AFA	06:00 AM - 08:00 AM	MWF	room ARR Willard Airport	
37332: Departmental Approval Required						
37333	FL	AFB	08:00 AM - 10:00 AM	MWF	room ARR Willard Airport	
37333: Departmental Approval Required						
37334	FL	AFC	10:00 AM - 12:00 PM	MWF	room ARR Willard Airport	
37334: Departmental Approval Required						
37335	FL	AFD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	
37335: Departmental Approval Required						
37336	FL	AFE	03:00 PM - 05:00 PM	MWF	room ARR Willard Airport	

37336: Departmental Approval Required						
37337	FL	AFF	05:00 PM - 07:00 PM	MWF	room ARR Willard Airport	
37337: Departmental Approval Required						
41247	FL	AFG	06:00 AM - 08:00 AM	TRS	room ARR Willard Airport	
41247: Departmental Approval Required						
37338	FL	AFH	08:00 AM - 10:00 AM	TRS	room ARR Willard Airport	
37338: Departmental Approval Required						
37339	FL	AFI	10:00 AM - 12:00 PM	TRS	room ARR Willard Airport	
37339: Departmental Approval Required						
37340	FL	AFK	03:00 PM - 05:00 PM	TRS	room ARR Willard Airport	
37340: Departmental Approval Required						
37341	FL	AFL	05:00 PM - 07:00 PM	TRS	room ARR Willard Airport	
37341: Departmental Approval Required						

320 *Flight Instructor-Airplane* Credit: 3 hours.

(AVI 220) Prepares the commercial pilot for an FAA Flight Instructor (Airplane) certificate. Includes forty-five hours classroom instruction on fundamentals of teaching, student motivation, blocks to learning, stress, cognitive approaches to learning, flight instructor duties/responsibilities, lesson planning and development, aerodynamics, and pertinent federal aviation regulations. Includes 22 hours of flight training and instruction and three hours in flight simulator teaching techniques in the flight laboratory. Also includes a one hour flight check for course completion. Students enrolling in this course will also participate in up to 5 hours of research flight experiments Prerequisite: Commercial Pilot certificate with instrument rating and consent of director.

Additional Flight Fee Required. Departmental approval by Chief of Pilot Training is required. Students must register for one lecture-discussion and one flight section.

CRN	Type	Section	Time	Days	Location	Instructor
37342	lecture-discussion	AE1	03:30 PM - 05:00 PM	TR	room 252 Mechanical Engineering Bldg	Boyd, D
37342: Departmental Approval Required						
37342: UIUC Flight Fee 3,235.00 dollars.						
37343	FL	AFA	06:00 AM - 08:00 AM	MWF	room ARR Willard Airport	
37343: Departmental Approval Required						
37344	FL	AFB	08:00 AM - 10:00	MWF	room ARR	

			AM		Willard Airport	
37344: Departmental Approval Required						
37345	FL	AFC	10:00 AM - 12:00 PM	MWF	room ARR Willard Airport	
37345: Departmental Approval Required						
37346	FL	AFD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	
37346: Departmental Approval Required						
37347	FL	AFE	03:00 PM - 05:00 PM	MWF	room ARR Willard Airport	
37347: Departmental Approval Required						
41323	FL	AFF	05:00 PM - 07:00 PM	MWF	room ARR Willard Airport	
41323: Departmental Approval Required						
41331	FL	AFG	06:00 AM - 08:00 AM	TRS	room ARR Willard Airport	
41331: Departmental Approval Required						
37348	FL	AFH	08:00 AM - 10:00 AM	TRS	room ARR Willard Airport	
37348: Departmental Approval Required						
37349	FL	AFI	10:00 AM - 12:00 PM	TRS	room ARR Willard Airport	
37349: Departmental Approval Required						
37353	FL	AFJ	01:00 PM - 03:00 PM	TRS	room ARR Willard Airport	
37353: Departmental Approval Required						

322 **Instrument Flight Instructor** Credit: 1 hours.

(AVI 222) Provides the instruction and supervised training for the addition of the Instrument-Airplane rating to the Flight Instructor certificate. Reviews instrument operations with an emphasis on the instructional aspects of these operations. Includes five hours of flight simulator instruction, eleven hours of flight instruction and supervised training, four hours of discussion and a one hour flight test. Students enrolling in this course will also participate in up to 5 hours of research flight experiments. Prerequisite: Commercial Pilot certificate with instrument rating; flight instructor-airplane certificate or concurrent enrollment in AVI 320; and consent of director.

Additional Flight Fee Required. Departmental approval by Chief of Pilot Training is required.

CRN	Type	Section	Time	Days	Location	Instructor
37354	FL	FB	08:00 AM - 10:00 AM	MWF	room ARR Willard Airport	Phillips, S
37354: Departmental Approval Required UIUC Flight Fee 1,732.00 dollars.						

37355	FL	FC	10:00 AM - 12:00 PM	MWF	room ARR Willard Airport	Phillips, S
37355: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
37356	FL	FD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	Phillips, S
37356: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
37357	FL	FE	03:00 PM - 05:00 PM	MWF	room ARR Willard Airport	Phillips, S
37357: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
37358	FL	FH	08:00 AM - 10:00 AM	TRS	room ARR Willard Airport	Phillips, S
37358: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
37359	FL	FI	10:00 AM - 12:00 PM	TRS	room ARR Willard Airport	Phillips, S
37359: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
37361	FL	FJ	01:00 PM - 03:00 PM	TRS	room ARR Willard Airport	Phillips, S
37361: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
37362	FL	FK	03:00 PM - 05:00 PM	TRS	room ARR Willard Airport	Phillips, S
37362: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						

324 All Attitude Orientation Credit: 0 hours.

(AVI 224) Primary focus of this course is to teach the recovery of an airplane from emergency inflight attitudes. Teaches the safe handling of an aircraft in all attitudes of flight through the use of various acrobatic maneuvers including loops, snap rolls, slow rolls, Immelmans, Cuban eights, spins, and similar maneuvers, plus takeoff and landing procedures in a tailwheel airplane. Ten flight hours. Students enrolling in this course will also participate in up to five hours of research flight experiments conducted by the Institute of Aviation staff. Prerequisite: AVI 101 and 120 or the Private Pilot certificate and consent of director.

Additional Flight Fee Required. Departmental approval by Chief of Pilot Training is required.

CRN	Type	Section	Time	Days	Location	Instructor
37365	FL	FB	08:00 AM - 10:00 AM	MWF	room ARR Willard Airport	
37365: Departmental Approval RequiredUIUC Flight Fee 2,707.00 dollars.						
37366	FL	FC	10:00 AM - 12:00 PM	MWF	room ARR Willard Airport	
37366: Departmental Approval RequiredUIUC Flight Fee 2,707.00 dollars.						
37368	FL	FD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	

37368: Departmental Approval RequiredUIUC Flight Fee 2,707.00 dollars.						
37369	FL	FE	03:00 PM - 05:00 PM	MWF	room ARR Willard Airport	
37369: Departmental Approval RequiredUIUC Flight Fee 2,707.00 dollars.						
37370	FL	FF	05:00 PM - 07:00 PM	MWF	room ARR Willard Airport	
37370: Departmental Approval RequiredUIUC Flight Fee 2,707.00 dollars.						
37372	FL	FH	08:00 AM - 10:00 AM	TRS	room ARR Willard Airport	
37372: Departmental Approval RequiredUIUC Flight Fee 2,707.00 dollars.						
37373	FL	FI	10:00 AM - 12:00 PM	TRS	room ARR Willard Airport	
37373: Departmental Approval RequiredUIUC Flight Fee 2,707.00 dollars.						
37375	FL	FJ	01:00 PM - 03:00 PM	TRS	room ARR Willard Airport	
37375: Departmental Approval RequiredUIUC Flight Fee 2,707.00 dollars.						
37377	FL	FK	03:00 PM - 05:00 PM	TRS	room ARR Willard Airport	
37377: Departmental Approval RequiredUIUC Flight Fee 2,707.00 dollars.						
37379	FL	FL	05:00 PM - 07:00 PM	TRS	room ARR Willard Airport	
37379: Departmental Approval RequiredUIUC Flight Fee 2,707.00 dollars.						

350 Practice Teaching-Airplane Credit: 3 hours.

(AVI 250) Practice teaching using classroom, audiovisual materials, flight simulators, and airplanes; prepares the certified flight instructor to teach in all modes of aviation education. A minimum of 2 hours of classroom lecture, 3 hours of simulator instruction, and from 1 to 19 hours of airplane instruction is given by the student; an additional 20 hours of classroom lecture-discussion clarifies and explains the proper methods of aviation instruction Prerequisite: AVI 320 and flight instructor certificate; junior standing; recommendation from AVI 320 flight instructor; and consent of director.

Departmental approval by Chief of Pilot Training is required.

CRN	Type	Section	Time	Days	Location	Instructor
30286	conference	AC1	12:00 PM - 12:50 PM	F	room ARR Willard Airport	Wofford, M
30286: Departmental Approval Required						
30289	lecture-discussion	AE1	01:00 PM - 01:50 PM	TR	room 252 Mechanical Engineering Bldg	Wofford, M
30289: Departmental Approval Required						

30282	FL	AF1	ARRANGED			
30282: Departmental Approval Required						

358 Human Factors Credit: 4 hours.
(AVI 258) Same as IE 340, and PSYC 358. See PSYC 358.

Priority given to Aviation, Industrial Engineering, and Engineering Psychology majors. Students must register for one lab and one lecture section.

CRN	Type	Section	Time	Days	Location	Instructor
38100	laboratory	AB1	09:00 AM - 09:50 AM	T	room 1001 Mechanical Engineering Lab	
38102	laboratory	AB2	10:00 AM - 10:50 AM	T	room 1001 Mechanical Engineering Lab	
38103	laboratory	AB3	11:00 AM - 11:50 AM	T	room 1001 Mechanical Engineering Lab	
38104	lecture	AL1	09:00 AM - 09:50 AM	MWF	room 32 Psychology Building	Rantanen, E
38105	laboratory	BB1	09:00 AM - 09:50 AM	R	room 1001 Mechanical Engineering Lab	
38106	laboratory	BB2	11:00 AM - 11:50 AM	R	room 1001 Mechanical Engineering Lab	
38107	laboratory	BB3	03:00 PM - 03:50 PM	R	room 1001 Mechanical Engineering Lab	
38108	lecture	BL1	03:30 PM - 04:45 PM	MW	room 253 Mechanical Engineering Bldg	Zhang, X

380 Multiengine Land Credit: 1 hours.
(AVI 280) Prepares the commercial pilot for an FAA multiengine land airplane rating; 18 hours of discussion and 15 hours of flight in a multiengine airplane (13 hours dual instruction, one-half hour solo, plus 1.5 hours check ride for qualified individuals). Students enrolling in this course will also participate in up to 5 hours of research flight experiments conducted by Institute of Aviation staff Prerequisite: Commercial Pilot certificate and consent of director.

Additional Flight Fee Required. Departmental approval by Chief of Pilot Training is required.

CRN	Type	Section	Time	Days	Location	Instructor
37381	FL	FA	06:00 AM - 08:00	MWF	room ARR	Phillips, S

			AM		Willard Airport	
37381: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
37382	FL	FB	08:00 AM - 10:00 AM	MWF	room ARR Willard Airport	Phillips, S
37382: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
37384	FL	FC	10:00 AM - 12:00 PM	MWF	room ARR Willard Airport	Phillips, S
37384: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
37385	FL	FD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	Phillips, S
37385: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
37387	FL	FE	03:00 PM - 05:00 PM	MWF	room ARR Willard Airport	Phillips, S
37387: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
37388	FL	FF	05:00 PM - 07:00 PM	MWF	room ARR Willard Airport	Phillips, S
37388: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
41248	FL	FG	06:00 AM - 08:00 AM	TRS	room ARR Willard Airport	
41248: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
37392	FL	FH	08:00 AM - 10:00 AM	TRS	room ARR Willard Airport	Phillips, S
37392: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
37395	FL	FI	10:00 AM - 12:00 PM	TRS	room ARR Willard Airport	Phillips, S
37395: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
37396	FL	FJ	01:00 PM - 03:00 PM	TRS	room ARR Willard Airport	Phillips, S
37396: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
37397	FL	FK	03:00 PM - 05:00 PM	TRS	room ARR Willard Airport	Phillips, S
37397: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
37400	FL	FL	05:00 PM - 07:00 PM	TRS	room ARR Willard Airport	
37400: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						

381 Cockpit Resource Management Credit: 3 hours.

(AVI 281) Examines societal/cultural, industry, governmental regulatory agency, organizational, group, and

individual influences on cockpit behavior and cockpit resource management. Two 90 minute lecture/discussion and one two-hour laboratory/flight periods each week. Laboratory and flight sections use multi-engine flight simulators and multi-engine aircraft. Students will gain experience flying preplanned scenarios in both aircraft and simulators. Materials from lecture/discussions will be emphasized in flights. Prerequisite: Multi-engine instrument rating; junior standing and consent of director.

Additional Flight Fee Required. Students must register for one lecture-discussion and one flight section.

CRN	Type	Section	Time	Days	Location	Instructor
37402	lecture-discussion	AE1	10:30 AM - 12:00 PM	TR	Willard Airport	Von Thaden, T
37402: Departmental Approval Required						
37402: UIUC Flight Fee 1,001.00 dollars.						
37409	FL	AFB	08:00 AM - 10:00 AM	MWF	room ARR Willard Airport	
37409: Departmental Approval Required						
37412	FL	AFC	10:00 AM - 12:00 PM	MWF	room ARR Willard Airport	
37412: Departmental Approval Required						
37718	FL	AFD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	
37718: Departmental Approval Required						
37719	FL	AFE	03:00 PM - 05:00 PM	MWF	room ARR Willard Airport	
37719: Departmental Approval Required						
37731	FL	AFH	08:00 AM - 10:00 AM	TRS	room ARR Willard Airport	
37731: Departmental Approval Required						
37734	FL	AFJ	01:00 PM - 03:00 PM	TRS	room ARR Willard Airport	
37734: Departmental Approval Required						
37736	FL	AFK	03:00 PM - 05:00 PM	TRS	room ARR Willard Airport	
37736: Departmental Approval Required						

384 Jet Aircraft System and Ops, I Credit: 3 hours.

(AVI 284) Operator-oriented study of modern turbo-prop and pure turbine aircraft systems and operation procedures, including aerodynamic performance, fault diagnosis and troubleshooting procedures, and emergency procedures. Prerequisite: AVI 184, 200, or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
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41246	lecture	A1	10:30 AM - 12:00 PM	WF	room Q3 Willard Airport: Q3	Unander, S
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391 Special Flight Ratings Credit: 0 hours.

(AVI 291) Consists of aeronautical experience that can be used for special FAA certificates and/or ratings such as Airline Transport Pilot or Rotorcraft-helicopter. Course may also be used for specialized flight such as advanced multi-engine operations. Sixteen hours of discussion and a variable number of hours of flight instruction (dual and/or solo) to meet the individual needs of the student. Students enrolling in this course will also participate in up to five hours of research flight experiments conducted by the Institute of Aviation staff Prerequisite: Pilot certificate, and consent of director.

Additional Flight Fee Required. Departmental approval by Chief of Pilot Training is required.

CRN	Type	Section	Time	Days	Location	Instructor
37745	FL	FA	06:00 AM - 08:00 AM	MWF	room ARR Willard Airport	Phillips, S
37745: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
37747	FL	FB	08:00 AM - 10:00 AM	MWF	room ARR Willard Airport	Phillips, S
37747: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
37748	FL	FC	10:00 AM - 12:00 PM	MWF	room ARR Willard Airport	Phillips, S
37748: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
37749	FL	FD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	Phillips, S
37749: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
37751	FL	FE	03:00 PM - 05:00 PM	MWF	room ARR Willard Airport	Phillips, S
37751: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
37752	FL	FF	05:00 PM - 07:00 PM	MWF	room ARR Willard Airport	Phillips, S
37752: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
37758	FL	FG	06:00 AM - 08:00 AM	TRS	room ARR Willard Airport	Phillips, S
37758: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
37753	FL	FH	08:00 AM - 10:00 AM	TRS	room ARR Willard Airport	Phillips, S
37753: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
37754	FL	FI	10:00 AM - 12:00 PM	TRS	room ARR Willard Airport	Phillips, S
37754: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						

37756	FL	FJ	01:00 PM - 03:00 PM	TRS	room ARR Willard Airport	Phillips, S
37756: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
37757	FL	FK	03:00 PM - 05:00 PM	TRS	room ARR Willard Airport	Phillips, S
37757: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						

392 Flight Instructor CFII and ME Credit: 3 hours.

(AVI 292) Extends the development of an advanced professional pilot student; offers an internship providing a manufacturer-equivalent school in a Cessna 310R aircraft, a crew coordination (CRM) school for passenger carrying operations, and proficiency based right-seat, second in command qualification. Students enrolling in this course will also participate in up to 5 hours of research flight experiments Prerequisite: AVI 211 or equivalent, and consent of director.

Additional Flight Fee Required. Students must register for one lecture-discussion and one flight section.

CRN	Type	Section	Time	Days	Location	Instructor
37759	lecture-discussion	AE1	03:30 PM - 05:00 PM	TR	room 335 Mechanical Engineering Bldg	Suppok, R
37759: Departmental Approval Required						
37759: UIUC Flight Fee 6,104.00 dollars.						
37761	FL	AFB	08:00 AM - 10:00 AM	MWF	room ARR Willard Airport	
37761: Departmental Approval Required						
37763	FL	AFC	10:00 AM - 12:00 PM	MWF	room ARR Willard Airport	
37763: Departmental Approval Required						
37765	FL	AFD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	
37765: Departmental Approval Required						
37766	FL	AFE	03:00 PM - 05:00 PM	MWF	room ARR Willard Airport	
37766: Departmental Approval Required						
37767	FL	AFH	08:00 AM - 10:00 AM	TRS	room ARR Willard Airport	
37767: Departmental Approval Required						
37768	FL	AFI	10:00 AM - 12:00 PM	TRS	room ARR Willard Airport	
37768: Departmental Approval Required						
37769	FL	AFJ	01:00 PM - 03:00 PM	TRS	room ARR	

			PM		Willard Airport	
37769: Departmental Approval Required						

393 *Turboprop Pilot Orientation* Credit: 3 hours.

(AVI 293) Introduction to multi-engine turboprop airplane operations. Forty-five hours of lecture-discussion, and 16 hours (as pilot and co-pilot) of simulated flight in a Frasca 242T Turboprop aircraft simulator or equivalent. Includes turbine engine theory and operation, normal and emergence procedures, performance calculations, and crew coordination Prerequisite: AVI 184, 380, 381, and consent of director.

Additional Flight Fee Required. Students must register for one lecture-discussion and one flight section.

CRN	Type	Section	Time	Days	Location	Instructor
37771	lecture-discussion	AE	07:00 PM - 10:00 PM	T	room ARR Willard Airport: Q3	Wofford, M
37771: Departmental Approval Required						
37771: UIUC Flight Fee 820.00 dollars.						
40974	FL	AFB	08:00 AM - 10:00 AM	MWF	room ARR Willard Airport	
40974: Departmental Approval Required						
37773	FL	AFC	10:00 AM - 12:00 PM	MWF	room ARR Willard Airport	
37773: Departmental Approval Required						
37774	FL	AFD	01:00 PM - 03:00 PM	MWF	room ARR Willard Airport	
37774: Departmental Approval Required						
37776	FL	AFE	03:00 PM - 05:00 PM	MWF	room ARR Willard Airport	
37776: Departmental Approval Required						
37777	FL	AFH	08:00 AM - 10:00 AM	TRS	room ARR Willard Airport	
37777: Departmental Approval Required						
37778	FL	AFI	10:00 AM - 12:00 PM	TRS	room ARR Willard Airport	
37778: Departmental Approval Required						
37780	FL	AFJ	01:00 PM - 03:00 PM	TRS	room ARR Willard Airport	
37780: Departmental Approval Required						
37781	FL	AFK	03:00 PM - 05:00 PM	TRS	room ARR Willard Airport	

37781: Departmental Approval Required

37782	FL	AFL	05:00 PM - 07:00 PM	TRS	room ARR Willard Airport	
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37782: Departmental Approval Required

455 Aviation Accident Analysis Credit: 2 to 4 hours.

(AVI 355) Fundamental concepts of aviation safety augmentation with emphasis on accident prevention through accident investigation, casualty reduction through crashworthy design, and safety enhancement resulting from litigation; accident investigation techniques and crash survival design factors 3 undergraduate hours. 2 or 4 graduate hours. Prerequisite: AVI 101 or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
30292	lecture	A	01:00 PM - 02:50 PM	TR	room Q3 Willard Airport: Q3	Wiegmann, D

456 Hum Perf and Eng Psych Credit: 3 or 4 hours.

(AVI 356) Same as IE 445, and PSYC 456. See PSYC 456.

CRN	Type	Section	Time	Days	Location	Instructor
41242	lecture	G1	02:00 PM - 02:50 PM	MWF	room 32 Psychology Building	McCarley, J
41242: 4 hours						
37984	lecture	U1	02:00 PM - 02:50 PM	MWF	room 32 Psychology Building	McCarley, J
37984: 3 hours						

497 Special Topics in Aviation Credit: 2 to 4 hours.

(AVI 397) Special topics in the field of aviation. May be repeated in subsequent terms only when separate topics are offered to a maximum of 12 hours. Prerequisite: AVI 495 or equivalent and junior standing; or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
30295	lecture	DW	10:30 AM - 11:45 AM	TR	room 344 Mechanical Engineering Bldg	Fried, D; Wilkins, D
30295: Topic: Topics in Artificial Intelligence.						

527 **Engineering Psych** Credit: 4 hours.
(AVI 427) Same as PSYC 527. See PSYC 527.

CRN	Type	Section	Time	Days	Location	Instructor
38081	lecture	A	10:00 AM - 11:15 AM	TR	room 508 Psychology Building	Kirlik, A