

# Course Schedule - Spring 2005

## 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
29916	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		Phillips, S
29916: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
	FL	AFA	06:00 AM - 08:00 AM	MWF		Phillips, S
: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
30055	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		Phillips, S
30055: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
	FL	AFB	08:00 AM - 10:00 AM	MWF		Phillips, S
: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
30065	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		Phillips, S
30065: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
	FL	AFC	10:00 AM - 12:00 PM	MWF		Phillips, S
: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
30069	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		Phillips, S
30069: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
	FL	AFD	01:00 PM - 03:00 PM	MWF		Phillips, S
: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
30071	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		Phillips, S
30071: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						

	FL	AFE	03:00 PM - 05:00 PM	MWF		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 2,639.00 dollars.						
30073	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		Phillips, S
30073: Departmental Approval RequiredUIUC Flight Fee 2,639.00 dollars.						
	FL	AFF	05:00 PM - 07:00 PM	MWF		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 2,639.00 dollars.						
30076	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		Phillips, S
30076: Departmental Approval RequiredUIUC Flight Fee 2,639.00 dollars.						
	FL	AFG	06:00 AM - 08:00 AM	TRS		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 2,639.00 dollars.						
30079	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		Phillips, S
30079: Departmental Approval RequiredUIUC Flight Fee 2,639.00 dollars.						
	FL	AFH	08:00 AM - 10:00 AM	TRS		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 2,639.00 dollars.						
30082	bus transportation	AFI	09:40 AM - 09:59 AM	TRS		Phillips, S
30082: Departmental Approval RequiredUIUC Flight Fee 2,639.00 dollars.						
	FL	AFI	10:00 AM - 12:00 PM	TRS		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 2,639.00 dollars.						
30086	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		Phillips, S
30086: Departmental Approval RequiredUIUC Flight Fee 2,639.00 dollars.						
	FL	AFJ	01:00 PM - 03:00 PM	TRS		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 2,639.00 dollars.						
30091	bus transportation	AFK	02:40 PM - 02:59 PM	TRS		Phillips, S
30091: Departmental Approval RequiredUIUC Flight Fee 2,639.00 dollars.						
	FL	AFK	03:00 PM - 05:00 PM	TRS		Phillips, S

: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
30094	bus transportation	AFL	04:40 PM - 04:59 PM	TRS		Phillips, S
30094: Departmental Approval Required UIUC Flight Fee 2,639.00 dollars.						
	FL	AFL	05:00 PM - 07:00 PM	TRS		Phillips, S
: 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
29863	lecture-discussion	AE1	10:30 AM - 11:50 AM	TR	room 241 Everitt Elec and Comp Engr Lab	Fanone, C
29863: UIUC Flight Fee 3,038.00 dollars.						
29869	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		Fanone, C
	FL	AFA	06:00 AM - 08:00 AM	MWF		Fanone, C
: Departmental Approval Required						
29871	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		Fanone, C
	FL	AFB	08:00 AM - 10:00 AM	MWF		Fanone, C
: Departmental Approval Required						
29877	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		Fanone, C
	FL	AFC	10:00 AM - 12:00 PM	MWF		Fanone, C
: Departmental Approval Required						
29879	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		Fanone, C
	FL	AFD	01:00 PM - 03:00 PM	MWF		Fanone, C

: Departmental Approval Required						
29882	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		Fanone, C
	FL	AFE	03:00 PM - 05:00 PM	MWF		Fanone, C
: Departmental Approval Required						
29887	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		Fanone, C
	FL	AFF	05:00 PM - 07:00 PM	MWF		Fanone, C
: Departmental Approval Required						
29896	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		Fanone, C
	FL	AFG	06:00 AM - 08:00 AM	TRS		Fanone, C
: Departmental Approval Required						
29905	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		Fanone, C
	FL	AFH	08:00 AM - 10:00 AM	TRS		Fanone, C
: Departmental Approval Required						
29909	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		Fanone, C
	FL	AFJ	01:00 PM - 03:00 PM	TRS		Fanone, C
: Departmental Approval Required						
29912	bus transportation	AFK	02:40 PM - 02:59 PM	TRS		Fanone, C
	FL	AFK	03:00 PM - 05:00 PM	TRS		Fanone, C
: Departmental Approval Required						
29914	bus transportation	AFL	04:40 PM - 04:59 PM	TRS		Fanone, C
	FL	AFL	05:00 PM - 07:00 PM	TRS		Fanone, C
: 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 AVI 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
30095	lecture-discussion	AE1	08:00 AM - 09:20 AM	TR	room 252 Mechanical Engineering Bldg	West, L
30095: Departmental Approval Required UIUC Flight Fee 3,927.00 dollars.						
30096	lecture-discussion	AE2	03:30 PM - 04:50 PM	MW	room 119 Materials Science and Eng Bld	Fanone, J
30096: Departmental Approval Required UIUC Flight Fee 3,927.00 dollars.						
30097	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		
	FL	AFA	06:00 AM - 08:00 AM	MWF		
: Departmental Approval Required						
30098	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		
	FL	AFB	08:00 AM - 10:00 AM	MWF		
: Departmental Approval Required						
30099	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		
	FL	AFC	10:00 AM - 12:00 PM	MWF		
: Departmental Approval Required						
30100	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		
	FL	AFD	01:00 PM - 03:00 PM	MWF		
: Departmental Approval Required						
30101	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		
	FL	AFE	03:00 PM - 05:00 PM	MWF		
: Departmental Approval Required						

30127	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		
	FL	AFF	05:00 PM - 07:00 PM	MWF		
: Departmental Approval Required						
30132	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		
	FL	AFG	06:00 AM - 08:00 AM	TRS		
: Departmental Approval Required						
30136	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		
	FL	AFH	08:00 AM - 10:00 AM	TRS		
: Departmental Approval Required						
30145	bus transportation	AFI	09:40 AM - 09:59 AM	TRS		
	FL	AFI	10:00 AM - 12:00 PM	TRS		
: Departmental Approval Required						
30150	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		
	FL	AFJ	01:00 PM - 03:00 PM	TRS		
: Departmental Approval Required						
30154	bus transportation	AFK	02:40 PM - 02:59 PM	TRS		
	FL	AFK	03:00 PM - 05:00 PM	TRS		
: Departmental Approval Required						
30162	bus transportation	AFL	04:40 PM - 04:59 PM	TRS		
	FL	AFL	05:00 PM - 07:00 PM	TRS		

**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 AVI 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
30167	lecture-discussion	AEA	08:00 AM - 09:20 AM	TR	room 252 Mechanical Engineering Bldg	West, L
30167: Departmental Approval Required						
30167: UIUC Flight Fee 2,065.00 dollars.						
30175	lecture-discussion	AEB	03:30 PM - 04:50 PM	MW	room 119 Materials Science and Eng Bld	Fanone, J
30175: Departmental Approval Required						
30175: UIUC Flight Fee 2,065.00 dollars.						
30205	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		
30205: Departmental Approval Required						
	FL	AFA	06:00 AM - 08:00 AM	MWF		
: Departmental Approval Required						
30210	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		
30210: Departmental Approval Required						
	FL	AFB	08:00 AM - 10:00 AM	MWF		
: Departmental Approval Required						
30215	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		
30215: Departmental Approval Required						
	FL	AFC	10:00 AM - 12:00 PM	MWF		
: Departmental Approval Required						
30220	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		
30220: Departmental Approval Required						
	FL	AFD	01:00 PM - 03:00 PM	MWF		
: Departmental Approval Required						
30224	bus	AFE	02:40 PM - 02:59	MWF		

	transportation		PM			
30224: Departmental Approval Required						
	FL	AFE	03:00 PM - 05:00 PM	MWF		
: Departmental Approval Required						
30230	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		
30230: Departmental Approval Required						
	FL	AFF	05:00 PM - 07:00 PM	MWF		
: Departmental Approval Required						
30239	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		
30239: Departmental Approval Required						
	FL	AFG	06:00 AM - 08:00 AM	TRS		
: Departmental Approval Required						
30243	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		
30243: Departmental Approval Required						
	FL	AFH	08:00 AM - 10:00 AM	TRS		
: Departmental Approval Required						
30258	bus transportation	AFI	09:40 AM - 09:59 AM	TRS		
30258: Departmental Approval Required						
	FL	AFI	10:00 AM - 12:00 PM	TRS		
: Departmental Approval Required						
30263	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		
30263: Departmental Approval Required						
	FL	AFJ	01:00 PM - 03:00 PM	TRS		
: Departmental Approval Required						
30379	bus transportation	AFK	02:40 PM - 02:59 PM	TRS		
30379: Departmental Approval Required						

	FL	AFK	03:00 PM - 05:00 PM	TRS		
: Departmental Approval Required						
30386	bus transportation	AFL	04:40 PM - 04:59 PM	TRS		
30386: Departmental Approval Required						
	FL	AFL	05:00 PM - 07:00 PM	TRS		
: 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 AVI 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
30398	lecture-discussion	AEA	08:00 AM - 09:20 AM	MW	room 252 Mechanical Engineering Bldg	Jones, W
30398: UIUC Flight Fee 3,453.00 dollars.						
30406	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		
	FL	AFC	10:00 AM - 12:00 PM	MWF		
: Departmental Approval Required						
30411	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		
	FL	AFD	01:00 PM - 03:00 PM	MWF		
: Departmental Approval Required						
30421	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		
	FL	AFE	03:00 PM - 05:00 PM	MWF		
: Departmental Approval Required						
30425	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		

	FL	AFF	05:00 PM - 07:00 PM	MWF		
: Departmental Approval Required						
30439	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		
	FL	AFG	06:00 AM - 08:00 AM	TRS		
: Departmental Approval Required						
30441	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		
	FL	AFH	08:00 AM - 10:00 AM	TRS		
: Departmental Approval Required						
30443	bus transportation	AFI	09:40 AM - 09:59 AM	TRS		
	FL	AFI	10:00 AM - 12:00 PM	TRS		
: Departmental Approval Required						
30452	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		
	FL	AFJ	01:00 PM - 03:00 PM	TRS		
: Departmental Approval Required						
30457	bus transportation	AFK	02:40 PM - 02:59 PM	TRS		
	FL	AFK	03:00 PM - 05:00 PM	TRS		
: Departmental Approval Required						
30463	bus transportation	AFL	04:40 PM - 04:59 PM	TRS		
	FL	AFL	05:00 PM - 07:00 PM	TRS		
: 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  
Page 10 - Aviation, Spring 2005

for one lecture-discussion and one flight section.

CRN	Type	Section	Time	Days	Location	Instructor
30467	lecture-discussion	AEA	10:30 AM - 11:50 AM	MW	room 106B1 Engineering Hall	Lucas, D
30467: UIUC Flight Fee 3,748.00 dollars.						
30469	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		
	FL	AFA	06:00 AM - 08:00 AM	MWF		
: Departmental Approval Required						
30472	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		
	FL	AFB	08:00 AM - 10:00 AM	MWF		
: Departmental Approval Required						
30475	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		
	FL	AFD	01:00 PM - 03:00 PM	MWF		
: Departmental Approval Required						
30477	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		
	FL	AFE	03:00 PM - 05:00 PM	MWF		
: Departmental Approval Required						
30479	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		
	FL	AFF	05:00 PM - 07:00 PM	MWF		
: Departmental Approval Required						
30481	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		
	FL	AFG	06:00 AM - 08:00 AM	TRS		
: Departmental Approval Required						
30483	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		
	FL	AFH	08:00 AM - 10:00 AM	TRS		

: Departmental Approval Required						
30485	bus transportation	AFI	09:40 AM - 09:59 AM	TRS		
	FL	AFI	10:00 AM - 12:00 PM	TRS		
: Departmental Approval Required						
30488	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		
	FL	AFJ	01:00 PM - 03:00 PM	TRS		
: Departmental Approval Required						
30490	bus transportation	AFK	02:40 PM - 02:59 PM	TRS		
	FL	AFK	03:00 PM - 05:00 PM	TRS		
: Departmental Approval Required						
30492	bus transportation	AFL	04:40 PM - 04:59 PM	TRS		
	FL	AFL	05:00 PM - 07:00 PM	TRS		
: 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
30495	lecture-discussion	A	03:15 PM - 04:50 PM	TR	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						

**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
30518	lecture-discussion	AEA	10:30 AM - 11:50 AM	TR	room 106B3 Engineering Hall	Shelton, K
30518: UIUC Flight Fee 5,104.00 dollars.						
40296	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		
	FL	AFA	06:00 AM - 08:00 AM	MWF		
: Departmental Approval Required						
40297	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		
	FL	AFB	08:00 AM - 10:00 AM	MWF		
: Departmental Approval Required						
30520	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		
	FL	AFC	10:00 AM - 12:00 PM	MWF		
: Departmental Approval Required						
30523	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		
	FL	AFD	01:00 PM - 03:00 PM	MWF		
: Departmental Approval Required						
30525	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		
	FL	AFE	03:00 PM - 05:00 PM	MWF		
: Departmental Approval Required						
30527	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		

	FL	AFF	05:00 PM - 07:00 PM	MWF		
: Departmental Approval Required						
30529	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		
	FL	AFG	06:00 AM - 08:00 AM	TRS		
: Departmental Approval Required						
30530	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		
	FL	AFH	08:00 AM - 10:00 AM	TRS		
: Departmental Approval Required						
30533	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		
	FL	AFJ	01:00 PM - 03:00 PM	TRS		
: Departmental Approval Required						
30534	bus transportation	AFK	02:40 PM - 02:59 PM	TRS		
	FL	AFK	03:00 PM - 05:00 PM	TRS		
: Departmental Approval Required						
30539	bus transportation	AFL	04:40 PM - 04:59 PM	TRS		
	FL	AFL	05:00 PM - 07:00 PM	TRS		
: 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 AVI 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
30552	lecture-	AEA	01:00 PM - 02:20	TR	room 335	Suppok, R. Page 14 - Aviation, Spring 2005

	discussion		PM		Mechanical Engineering Bldg	
30552: UIUC Flight Fee 5,070.00 dollars.						
30557	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		
	FL	AFA	06:00 AM - 08:00 AM	MWF		
: Departmental Approval Required						
30569	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		
	FL	AFB	08:00 AM - 10:00 AM	MWF		
: Departmental Approval Required						
30614	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		
	FL	AFC	10:00 AM - 12:00 PM	MWF		
: Departmental Approval Required						
30619	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		
	FL	AFD	01:00 PM - 03:00 PM	MWF		
: Departmental Approval Required						
30626	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		
	FL	AFE	03:00 PM - 05:00 PM	MWF		
: Departmental Approval Required						
30628	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		
	FL	AFF	05:00 PM - 07:00 PM	MWF		
: Departmental Approval Required						
40299	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		
	FL	AFG	06:00 AM - 08:00 AM	TRS		
: Departmental Approval Required						
30632	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		

	FL	AFH	08:00 AM - 10:00 AM	TRS		
: Departmental Approval Required						
30635	bus transportation	AFI	09:40 AM - 09:59 AM	TRS		
	FL	AFI	10:00 AM - 12:00 PM	TRS		
: Departmental Approval Required						
30636	bus transportation	AFK	02:40 PM - 02:59 PM	TRS		
	FL	AFK	03:00 PM - 05:00 PM	TRS		
: Departmental Approval Required						
30637	bus transportation	AFL	04:40 PM - 04:59 PM	TRS		
	FL	AFL	05:00 PM - 07:00 PM	TRS		
: 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
30638	lecture-discussion	AEA	03:30 PM - 04:50 PM	TR	room 252 Mechanical Engineering Bldg	Boyd, D
30638: UIUC Flight Fee 3,235.00 dollars.						
40308	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		
	FL	AFA	06:00 AM - 08:00 AM	MWF		
: Departmental Approval Required						
30639	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		

	FL	AFB	08:00 AM - 10:00 AM	MWF		
: Departmental Approval Required						
30650	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		
	FL	AFC	10:00 AM - 12:00 PM	MWF		
: Departmental Approval Required						
30652	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		
	FL	AFD	01:00 PM - 03:00 PM	MWF		
: Departmental Approval Required						
30654	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		
	FL	AFE	03:00 PM - 05:00 PM	MWF		
: Departmental Approval Required						
30655	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		
	FL	AFF	05:00 PM - 07:00 PM	MWF		
: Departmental Approval Required						
40309	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		
	FL	AFG	06:00 AM - 08:00 AM	TRS		
: Departmental Approval Required						
30656	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		
	FL	AFH	08:00 AM - 10:00 AM	TRS		
: Departmental Approval Required						
30671	bus transportation	AFI	09:40 AM - 09:59 AM	TRS		
	FL	AFI	10:00 AM - 12:00 PM	TRS		
: Departmental Approval Required						
30678	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		

	FL	AFJ	01:00 PM - 03:00 PM	TRS		
: 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
40310	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		Phillips, S
40310: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
	FL	AFA	06:00 AM - 08:00 AM	MWF		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
30688	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		Phillips, S
30688: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
	FL	AFB	08:00 AM - 10:00 AM	MWF		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
30691	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		Phillips, S
30691: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
	FL	AFC	10:00 AM - 12:00 PM	MWF		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
30693	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		Phillips, S
30693: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
	FL	AFD	01:00 PM - 03:00 PM	MWF		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
30695	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		Phillips, S

30695: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
	FL	AFE	03:00 PM - 05:00 PM	MWF		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
30697	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		Phillips, S
30697: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
	FL	AFF	05:00 PM - 07:00 PM	MWF		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
40311	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		Phillips, S
40311: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
	FL	AFG	06:00 AM - 08:00 AM	TRS		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
30698	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		Phillips, S
30698: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
	FL	AFH	08:00 AM - 10:00 AM	TRS		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
30699	bus transportation	AFI	09:40 AM - 09:59 AM	TRS		Phillips, S
30699: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
	FL	AFI	10:00 AM - 12:00 PM	TRS		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
30700	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		Phillips, S
30700: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
	FL	AFJ	01:00 PM - 03:00 PM	TRS		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
30701	bus transportation	AFK	02:40 PM - 02:59 PM	TRS		Phillips, S
30701: Departmental Approval RequiredUIUC Flight Fee 1,732.00 dollars.						
	FL	AFK	03:00 PM - 05:00 PM	TRS		Phillips, S

			PM			
: Departmental Approval Required UIUC Flight Fee 1,732.00 dollars.						
30684	bus transportation	AFL	04:40 PM - 04:59 PM	TRS		Phillips, S
30684: Departmental Approval Required UIUC Flight Fee 1,732.00 dollars.						
	FL	AFL	05:00 PM - 07:00 PM	TRS		Phillips, S
: Departmental Approval Required UIUC 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
40329	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		
	FL	AFA	06:00 AM - 08:00 AM	MWF		
30702	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		
	FL	AFB	08:00 AM - 10:00 AM	MWF		
30703	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		
	FL	AFC	10:00 AM - 12:00 PM	MWF		
30704	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		
	FL	AFD	01:00 PM - 03:00 PM	MWF		
30705	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		
	FL	AFE	03:00 PM - 05:00 PM	MWF		
30789	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		
	FL	AFF	05:00 PM - 07:00 PM	MWF		

			PM			
40333	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		
	FL	AFG	06:00 AM - 08:00 AM	TRS		
30792	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		
	FL	AFH	08:00 AM - 10:00 AM	TRS		
30794	bus transportation	AFI	09:40 AM - 09:59 AM	TRS		
	FL	AFI	10:00 AM - 12:00 PM	TRS		
30796	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		
	FL	AFJ	01:00 PM - 03:00 PM	TRS		
30798	bus transportation	AFK	02:40 PM - 02:59 PM	TRS		
	FL	AFK	03:00 PM - 05:00 PM	TRS		
40332	bus transportation	AFL	04:40 PM - 04:59 PM	TRS		
	FL	AFL	05:00 PM - 07:00 PM	TRS		

**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
30800	conference	AC1	12:00 PM - 12:50 PM	F		
30800: Departmental Approval Required						
30802	FL	AF1	ARRANGED			
30802: Departmental Approval Required						
30805	lecture	AL1	01:00 PM - 01:50	TR	room 252	Wofford, M. Page 21 - Aviation, Spring 2005

			PM		Mechanical Engineering Bldg	
30805: 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
37229	laboratory	AB1	09:00 AM - 09:50 AM	R	room 1001 Mechanical Engineering Lab	
37230	laboratory	AB2	10:00 AM - 10:50 AM	R	room 1001 Mechanical Engineering Lab	
37231	laboratory	AB3	01:00 PM - 01:50 PM	R	room 1001 Mechanical Engineering Lab	
37232	lecture	AL1	04:30 PM - 05:45 PM	MW	room 32 Psychology Building	Kirlik, A

**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
40335	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		Phillips, S
40335: Departmental Approval Required UIUC Flight Fee 4,116.00 dollars.						
	FL	AFA	06:00 AM - 08:00 AM	MWF		Phillips, S
: Departmental Approval Required UIUC Flight Fee 4,116.00 dollars.						
30806	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		Phillips, S
30806: Departmental Approval Required UIUC Flight Fee 4,116.00 dollars.						
	FL	AFB	08:00 AM - 10:00	MWF		Phillips, S

			AM			
: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
40336	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		Phillips, S
40336: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
	FL	AFC	10:00 AM - 12:00 PM	MWF		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
30808	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		Phillips, S
30808: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
	FL	AFD	01:00 PM - 03:00 PM	MWF		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
30812	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		Phillips, S
30812: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
	FL	AFE	03:00 PM - 05:00 PM	MWF		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
30815	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		Phillips, S
30815: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
	FL	AFF	05:00 PM - 07:00 PM	MWF		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
40337	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		Phillips, S
40337: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
	FL	AFG	06:00 AM - 08:00 AM	TRS		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
30817	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		Phillips, S
30817: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						
	FL	AFH	08:00 AM - 10:00 AM	TRS		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 4,116.00 dollars.						

30819	bus transportation	AFI	09:40 AM - 09:59 AM	TRS		Phillips, S
30819: Departmental Approval Required UIUC Flight Fee 4,116.00 dollars.						
	FL	AFI	10:00 AM - 12:00 PM	TRS		Phillips, S
: Departmental Approval Required UIUC Flight Fee 4,116.00 dollars.						
30822	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		Phillips, S
30822: Departmental Approval Required UIUC Flight Fee 4,116.00 dollars.						
	FL	AFJ	01:00 PM - 03:00 PM	TRS		Phillips, S
: Departmental Approval Required UIUC Flight Fee 4,116.00 dollars.						
30824	bus transportation	AFK	02:40 PM - 02:59 PM	TRS		Phillips, S
30824: Departmental Approval Required UIUC Flight Fee 4,116.00 dollars.						
	FL	AFK	03:00 PM - 05:00 PM	TRS		Phillips, S
: Departmental Approval Required UIUC Flight Fee 4,116.00 dollars.						
30827	bus transportation	AFL	04:40 PM - 04:59 PM	TRS		Phillips, S
30827: Departmental Approval Required UIUC Flight Fee 4,116.00 dollars.						
	FL	AFL	05:00 PM - 07:00 PM	TRS		Phillips, S
: Departmental Approval Required UIUC 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
30830	lecture-discussion	AEA	10:30 AM - 11:50 AM	TR	Willard Airport: Q3	Von Thaden, T
30830: UIUC Flight Fee 1,001.00 dollars.						
40342	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		

	FL	AFA	06:00 AM - 08:00 AM	MWF		
: Departmental Approval Required						
30833	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		
	FL	AFB	08:00 AM - 10:00 AM	MWF		
: Departmental Approval Required						
30835	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		
	FL	AFC	10:00 AM - 12:00 PM	MWF		
: Departmental Approval Required						
30847	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		
	FL	AFD	01:00 PM - 03:00 PM	MWF		
: Departmental Approval Required						
30838	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		
	FL	AFE	03:00 PM - 05:00 PM	MWF		
: Departmental Approval Required						
40343	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		
	FL	AFF	05:00 PM - 07:00 PM	MWF		
: Departmental Approval Required						
40344	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		
	FL	AFG	06:00 AM - 08:00 AM	TRS		
: Departmental Approval Required						
30848	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		
	FL	AFH	08:00 AM - 10:00 AM	TRS		
: Departmental Approval Required						
30849	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		

	FL	AFJ	01:00 PM - 03:00 PM	TRS		
: Departmental Approval Required						
30850	bus transportation	AFK	02:40 PM - 02:59 PM	TRS		
	FL	AFK	03:00 PM - 05:00 PM	TRS		
: Departmental Approval Required						
30853	bus transportation	AFL	04:40 PM - 04:59 PM	TRS		
	FL	AFL	05:00 PM - 07:00 PM	TRS		
: 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, AVI 200, or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
30857	lecture-discussion	A	01:00 PM - 02:20 PM	MW	Willard Airport: Q3	Suppok, R

**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
30869	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		
30869: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
	FL	AFA	06:00 AM - 08:00 AM	MWF		
: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
30871	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		

30871: Departmental Approval RequiredUIUC Flight Fee 3,566.00 dollars.						
	FL	AFB	08:00 AM - 10:00 AM	MWF		
: Departmental Approval RequiredUIUC Flight Fee 3,566.00 dollars.						
30873	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		Phillips, S
30873: Departmental Approval RequiredUIUC Flight Fee 3,566.00 dollars.						
	FL	AFC	10:00 AM - 12:00 PM	MWF		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 3,566.00 dollars.						
30877	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		
30877: Departmental Approval RequiredUIUC Flight Fee 3,566.00 dollars.						
	FL	AFD	01:00 PM - 03:00 PM	MWF		
: Departmental Approval RequiredUIUC Flight Fee 3,566.00 dollars.						
30879	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		
30879: Departmental Approval RequiredUIUC Flight Fee 3,566.00 dollars.						
	FL	AFE	03:00 PM - 05:00 PM	MWF		
: Departmental Approval RequiredUIUC Flight Fee 3,566.00 dollars.						
30882	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		Phillips, S
30882: Departmental Approval RequiredUIUC Flight Fee 3,566.00 dollars.						
	FL	AFF	05:00 PM - 07:00 PM	MWF		Phillips, S
: Departmental Approval RequiredUIUC Flight Fee 3,566.00 dollars.						
30861	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		
30861: Departmental Approval RequiredUIUC Flight Fee 3,566.00 dollars.						
	FL	AFG	06:00 AM - 08:00 AM	TRS		
: Departmental Approval RequiredUIUC Flight Fee 3,566.00 dollars.						
30884	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		
30884: Departmental Approval RequiredUIUC Flight Fee 3,566.00 dollars.						
	FL	AFH	08:00 AM - 10:00	TRS		

			AM			
: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
30888	bus transportation	AFI	09:40 AM - 09:59 AM	TRS		
30888: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
	FL	AFI	10:00 AM - 12:00 PM	TRS		
: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
30890	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		
30890: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
	FL	AFJ	01:00 PM - 03:00 PM	TRS		
: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
30893	bus transportation	AFK	02:40 PM - 02:59 PM	TRS		Phillips, S
30893: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
	FL	AFK	03:00 PM - 05:00 PM	TRS		Phillips, S
: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
30865	bus transportation	AFL	04:40 PM - 04:59 PM	TRS		
30865: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						
	FL	AFL	05:00 PM - 07:00 PM	TRS		
: Departmental Approval Required UIUC Flight Fee 3,566.00 dollars.						

**392 Flight Instructor CFI and ME Credit: 3 hours.**

(AVI 292) Provides the instruction and supervised training for the addition of the Instrument Airplane and Airplane Multiengine ratings to the Flight Instructor certificate. Reviews instrument operations and multiengine operations with an emphasis on the instructional aspects of these operations. Includes 25 hours of instruction and 45 hours classroom. Prerequisite: AVI 320 and AVI 380. Students may not receive credit for this course and for AVI 322.

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

CRN	Type	Section	Time	Days	Location	Instructor
30896	lecture-discussion	AEA	03:30 PM - 04:50 PM	TR	room 335 Mechanical Engineering Bldg	Suppok, R
30896: UIUC Flight Fee 6,104.00 dollars.						

40371	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		
	FL	AFA	06:00 AM - 08:00 AM	MWF		
: Departmental Approval Required						
30903	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		
	FL	AFB	08:00 AM - 10:00 AM	MWF		
: Departmental Approval Required						
30904	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		
	FL	AFC	10:00 AM - 12:00 PM	MWF		
: Departmental Approval Required						
30905	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		
	FL	AFD	01:00 PM - 03:00 PM	MWF		
: Departmental Approval Required						
30906	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		
	FL	AFE	03:00 PM - 05:00 PM	MWF		
: Departmental Approval Required						
40374	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		
	FL	AFF	05:00 PM - 07:00 PM	MWF		
: Departmental Approval Required						
40376	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		
	FL	AFG	06:00 AM - 08:00 AM	TRS		
: Departmental Approval Required						
30907	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		
	FL	AFH	08:00 AM - 10:00 AM	TRS		
: Departmental Approval Required						

30908	bus transportation	AFI	09:40 AM - 09:59 AM	TRS		
	FL	AFI	10:00 AM - 12:00 PM	TRS		
: Departmental Approval Required						
30909	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		
	FL	AFJ	01:00 PM - 03:00 PM	TRS		
: 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, AVI 380, AVI 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
30910	lecture-discussion	AEA	07:00 PM - 09:50 PM	T	Willard Airport: Q3	Wofford, M
30910: UIUC Flight Fee 820.00 dollars.						
40381	bus transportation	AFA	05:40 AM - 05:59 AM	MWF		
	FL	AFA	06:00 AM - 08:00 AM	MWF		
: Departmental Approval Required						
30911	bus transportation	AFB	07:40 AM - 07:59 AM	MWF		
	FL	AFB	08:00 AM - 10:00 AM	MWF		
: Departmental Approval Required						
30912	bus transportation	AFC	09:40 AM - 09:59 AM	MWF		
	FL	AFC	10:00 AM - 12:00 PM	MWF		
: Departmental Approval Required						
30913	bus transportation	AFD	12:40 PM - 12:59 PM	MWF		
	FL	AFD	01:00 PM - 03:00 PM	MWF		

: Departmental Approval Required

30914	bus transportation	AFE	02:40 PM - 02:59 PM	MWF		
	FL	AFE	03:00 PM - 05:00 PM	MWF		

: Departmental Approval Required

40383	bus transportation	AFF	04:40 PM - 04:59 PM	MWF		
	FL	AFF	05:00 PM - 07:00 PM	MWF		

: Departmental Approval Required

40379	bus transportation	AFG	05:40 AM - 05:59 AM	TRS		
	FL	AFG	06:00 AM - 08:00 AM	TRS		

: Departmental Approval Required

30915	bus transportation	AFH	07:40 AM - 07:59 AM	TRS		
	FL	AFH	08:00 AM - 10:00 AM	TRS		

: Departmental Approval Required

30916	bus transportation	AFI	09:40 AM - 09:59 AM	TRS		
	FL	AFI	10:00 AM - 12:00 PM	TRS		

: Departmental Approval Required

30917	bus transportation	AFJ	12:40 PM - 12:59 PM	TRS		
	FL	AFJ	01:00 PM - 03:00 PM	TRS		

: Departmental Approval Required

30918	bus transportation	AFK	02:40 PM - 02:59 PM	TRS		
	FL	AFK	03:00 PM - 05:00 PM	TRS		

: Departmental Approval Required

30919	bus transportation	AFL	04:40 PM - 04:59 PM	TRS		
	FL	AFL	05:00 PM - 06:59 PM	TRS		

: Departmental Approval Required

**447 Human Error** Credit: 3 or 4 hours.

(AVI 347) Theoretical basis of human error plus methods for analysis, modeling and prediction in applied settings. Also covers methods for error reduction and error recovery. Same as PSYC 457. Prerequisite: PSYC 358 or ME 340, or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
30924	lecture	A	09:00 AM - 10:20 AM	MW	room 125 David Kinley Hall	Rantanen, E

**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
30936	lecture	DW3	01:00 PM - 02:15 PM	TR	Willard Airport: Q3	Wiegmann, D
30936: 3 hours Undergrad Aviation Majors should register in section DW3.						
40388	lecture	DW4	01:00 PM - 02:15 PM	TR	Willard Airport: Q3	Wiegmann, D
40388: 4 hours						

**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
37385	lecture	AV3	10:30 AM - 11:45 AM	TR	room 29 Psychology Building	Morrow, D
37385: 3 hours Undergrad Aviation Majors should register in section AV3.						
37391	lecture	AV4	10:30 AM - 11:45 AM	TR	room 29 Psychology Building	Morrow, D
37391: 4 hours						
39903	lecture	BV3	12:00 PM - 01:15 PM	TR	room 29 Psychology Building	Lleras, A

39903: 3 hours						
39904	lecture	BV4	12:00 PM - 01:15 PM	TR	room 29 Psychology Building	Lleras, A
39904: 4 hours						

**495 Aviation Psychology** Credit: 2 to 4 hours.

(AVI 395) Integrates the disciplines of psychology and aviation, discussing the relevance of the psychology of perception, cognition, learning, stress, decision making, and group processes to a variety of aviation concerns related to topics such as cockpit design, pilot error, pilot training, crew communications, and air traffic control. Field trips will be taken to laboratories at Beckman or to Willard Airport. Same as PSYC 497. 3 undergraduate hours. 2 or 4 graduate hours. Prerequisite: Introductory Psychology. An upper level course in human factors (PSYC 358 or PSYC 456) is recommended but not required.

CRN	Type	Section	Time	Days	Location	Instructor
30939	lecture-discussion	A3	03:30 PM - 04:50 PM	MW	room 196 Lincoln Hall	Wickens, C
30939: Meets 18-Jan-05 - 01-Mar-05.						
	lecture-discussion	A3	03:30 PM - 04:50 PM	MW	room 106B1 Engineering Hall	Von Thaden, T
: 3 hours Undergrad Aviation Majors should register in section A3. Meets 02-Mar-05 - 04-May-05.						
40405	lecture-discussion	A4	03:30 PM - 04:50 PM	MW	room 196 Lincoln Hall	Wickens, C
40405: Meets 18-Jan-05 - 01-Mar-05.						
	lecture-discussion	A4	03:30 PM - 04:50 PM	MW	room 106B1 Engineering Hall	Von Thaden, T
: 4 hours Meets 02-Mar-05 - 04-May-05.						

**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
30947	lecture	DW	02:30 PM - 03:50 PM	TR	room 225A Talbot Laboratory	Fried, D
30947: 3 hours						
30950	lecture	ER	01:30 PM - 02:50 PM	MW	room 207 Psychology Building	Rantanen, E

30950: 3 hours						
42999	lecture	TE	06:00 AM - 08:00 AM			Emanuel, T
42999: Departmental Approval Required						