

Section 4-1—Student Skill and Knowledge Sets

Jump Numbers and Supervision	Exit and Freefall	Canopy Flight	Equipment	In-Depth Emergency Review*	Rules and Recommendations	Spotting and Aircraft
AFF: 1 (Two AIs) SL/IAD: 1-2 (S/I I) Tan: 1 (TI)	Adaptation to skydiving environment; principles of deployment	Steering; intro pattern; wind line; landing procedures	Altimeter and operation handle orientation; instructor gear checks	Passive aircraft emergencies (instructor leads)	FAR 91.107 (seat belts); SIM 2-1 (first-jump course topics)	Propeller avoidance; movement in aircraft
AFF: 2 (Two AIs) SL/IAD: 3-5 (S/I I) Tan: 2-3 (TI)	Relaxed body position; leg awareness; unassisted stable deployment (simulated for SL/IAD)	Assisted pattern; assisted flare; written flight plan; review PLF	Handle operation and protection	Training harness: deployment problems; partial and total malfunctions; stability recovery; and altitude awareness	SIM 2-1 (students); SIM 5-1 (malfunctions); FAA AC-90-66A (illustration of aircraft traffic patterns)	Airport orientation and recognition; runway and approach incursions; aircraft patterns
AFF: 3-4 (Two AIs, then one) SL/IAD: 6-8 (S/I I) Former Tan: 4-5 (AI)	Solo controlled and relaxed fall; heading maintenance; wave-off	Solo pattern and flare; wing loading; turbulence; down-wind landings	Complete orientation (main closed); observe pre-flight	Open parachute in aircraft; off-airport landings; obstacle recognition and avoidance; turbulence; collapsing the canopy on landing	SIM 2-1 (student equipment); FAR 105.43.b.1 (equipment); local laws; canopy owner's manual	Pattern selection
AFF: 5-6 (AI) SL/IAD: 9-12 (S/I I Coach) Former Tan: 6-7 (AI)	Solo exit (AFF); heading control; freefall speeds and times	Back-riser control with and without brakes; stand-up; 50 meters assisted	Assisted pre-flight; AAD operation; AAD owner's manual	Training harness: routine opening problems; instant recognition and response; building landings	SIM 5-1 (buildings); SIM 5-3 (AADs); FAR 105.17 (clouds)	Jump run observation; looking below for aircraft
AFF: 7-9 (AI) until cleared from AFF, then Coach SL/IAD: 13-15 (S/I I Coach) (Merge tandem)	Door exit; aerobatics; unsupervised freefall	Stalls; traffic avoidance; 50 meters unassisted; the "sweet spot;" rectangular v. elliptical	Complete orientation (open canopy); component identification; unassisted pre-flight; comprehensive RSL	Training harness: two canopies out; high-wind landings; independent aircraft emergencies	SIM 2-1 (winds); 2-1.L (oxy-gen); 5-1 (dual deployments); 5-3 (RSLs); 5-3 (altimeters); FAR 91 (pilot responsibilities); FAR 105.43.a and b (packing authorization and interval)	Aircraft orientation; air-speed; weight and balance; winds aloft; intro spot selection; assist with jump run
AFF: 10-13 SL/IAD: 16-17 Coach	Tracking; two clear and pulls for former AFF students	Braked turns, approach, and landing; maximum glide; 25 meters on two jumps	Assisted packing; pin check (others); parachute system and canopy owner's manuals	Power line landings	SIM 2-1 (all); 3-1 (all); 5-1 (power lines); 5-2 recurrency recommendations; 5-7 (group separation); parachute system and reserve owner's manuals	Group separation; assisted jump run; calculating exit point from winds aloft
AFF: 14-17 SL/IAD: 18-21 Coach		Collision avoidance review; reverse turns; 20 meters on two jumps	Solo packing; rigger's responsibilities; maintenance orientation; AAD review	Canopy collision response; tree landings	SIM 5-1 (trees); 5-1 (collisions); SIM 5-5 (weather); 6-1 (group freefall); FAR 105.43.c (AAD maintenance)	Unassisted jump run; weather
AFF: 18-21 SL/IAD: 22-25 Coach	Diver exit; swooping; traffic awareness during swooping, tracking and deployment	Front riser control; 20 meters on three jumps	Owner maintenance (three-ring, closing loop)	Water landings; low-turn recovery	SIM 5-1. (water); 5-1 (low turns); 6-2 (breakoff); FAR 105.13 (aircraft radio); 105.15 (notification); AC 105-2C App. (aircraft)	Notification to FAA of jump activity; review STC, 337, etc.

*After training recommended in the USPA Integrated Student Program for solo students coming from tandem.