Helicopter Expo Study Guide / Cheat Sheet

Bell UH-1 Huey

- Turboshaft engines
- 2 blades, semi-rigid
- Best known for role in the Vietnam War
- US Military troop and cargo transport
- Was never sold commercially
- Some available now on the commercial market

Bell 47

- Single engine piston
- 2 blades, semi-rigid
- First helicopter certified for civilian use
- No longer in production
- Used for training, agriculture, film, and private flying
- Mostly a collector helicopter at this point
- M*A*S*H Helicopter

Bell 206 JetRanger

- Turboshaft engine
- 2 blades, semi-rigid
- Prices between $400,000 and $900,000
- This is the workhorse of the turbine helicopter world
- Used for just about everything
- Being phased out by the industry gradually in favor of newer designs
- No longer produced new

Bell 407

- Turboshaft engine
- 4 blades, fully articulated
- Retails for $2.5 million
- Upgraded version of the Bell 206
- More powerful engine
- Often used in EMS, law enforcement, corporate transport, and utility work

Bell 429

- Twin turboshaft modern Bell helicopter
- Retails for $5.7 million
- 4 blades, fully articulated
- More powerful and capable bell helicopter
- Longer range and higher weight capacity
- Used in offshore oil transport, corporate transport, and EMS
- Can come with retractable gear, only light twin helicopter to offer retractable gear

Augusta Westland 109

- Twin turboshaft
- Retails for $5.5-6.3 million
- 4 main rotor blades, fully articulated
- Used for corporate transport, EMS, law enforcement
- One of the fastest light twin turboshaft helicopters

Augusta Westland 119 Koala

- Single turboshaft engine
- Retails for $3.5 million
- 4 main rotor blades, fully articulated
- Used for utility, EMS, corporate transport
- Similar to the 109, main difference is that there is only 1 engine

MD530

- Single turboshaft engine
- Retails for $2.5 million
- 5 main rotor blades, fully articulated
- Used for military, law enforcement, utility

Guimbal Cabri G2

- Single engine piston (Lycoming O-360)
- Retails for $475,000 new
- 3 blades, fully articulated
- Used mostly for flight training for private ownership
- Designed by a former Eurocopter engineer
- Fenestron tail rotor
- Safest modern 2 seat helicopter on the market

Robinson R44

- Single engine piston engine
- Retails for $500,000
- 2 blades, semi-rigid
- Used for flight training, tours, light utility work, private ownership
- Most produced helicopter of the 21st century

Robinson R66

- Single turboshaft engine
- Retails for $1.2 million
- Turbine version of the R44
- Used for tours, light utility, corporate transport
- Smoother and more powerful than the R44

AS350

- Single turboshaft engine
- Retails for $3 million
- 3 main rotor blades, fully articulated
- Used for utility work, aerial videography, tourism, law enforcement, corporate transport
- Holds the record for the highest landing and takeoff, Mount Everest 2005

Eurocopter H135

- Twin turboshaft engines
- Retails for $6.5 million
- 4 main rotor blades, fully articulated
- Used for law enforcement, EMS, corporate transport
- Fenestron tail rotor
- One of the quietest helicopters for its size

Enstrom 296A

- Single engine piston
- Retails for $300,000
- 3 main rotor blades, fully articulated
- Used for flight training, personal use
- No life-limited components
- No longer in production

AV8 FLIGHT SCHOOL