# AVIATION MANAGEMENT (AVM)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVM 1000</td>
<td>Helicopter Ground I</td>
<td>2</td>
<td>This course includes all topics required by the FAA Approved Part 141 Aviation Regulations for the Private Pilot Certificate. Students will also be introduced to the training aircraft with practical application problems. Offered annually as needed.</td>
</tr>
<tr>
<td>AVM 1500</td>
<td>Helicopter Flight Operations I</td>
<td>2</td>
<td>This is the first in the sequence of flight training courses. This course will include all operations and procedures required for the Private Pilot Certificate with a Helicopter rating.</td>
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<tr>
<td>AVM 1505</td>
<td>Helicopter Flight Operations IA</td>
<td>1</td>
<td>This is the first in the sequence of flight training courses. This course will include operations and procedures required for the Private Pilot Certificate with a Helicopter rating up to the first student pilot solo activity. Permission of Program Director. Offered in conjunction with AVM 1510.</td>
</tr>
<tr>
<td>AVM 1510</td>
<td>Helicopter Flight Operations IB</td>
<td>1</td>
<td>This is the second in the sequence of flight training courses that can be completed in conjunction with AVM 1505 or after completing AVM 1505. This course will include all operations and procedures required for the Private Pilot Certificate with a Helicopter rating. Permission of Program Director. Offered annually.</td>
</tr>
<tr>
<td>AVM 2000</td>
<td>Helicopter Ground II</td>
<td>2</td>
<td>Federal Aviation Regulations and flight procedures as outlined in the Aeronautical Information Manual; aircraft engine operation, aircraft/engine performance; flight instrumentation and systems; aircraft operations. The student is prepared to take the FAA commercial pilot knowledge test upon successful completion of this course. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department. Prerequisite(s): AVM 1000 Restriction(s): Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.</td>
</tr>
<tr>
<td>AVM 2010</td>
<td>Instrument Flight</td>
<td>2</td>
<td>This course is part one of an instrument flight training sequence. Instruction is provided to introduce Pilots to instrument operations and standards. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.</td>
</tr>
<tr>
<td>AVM 2020</td>
<td>Commercial Flight I</td>
<td>2</td>
<td>This course is part one of a commercial flight training sequence. Instruction is provided to introduce Commercial Pilots to operations and standards. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.</td>
</tr>
<tr>
<td>AVM 2500</td>
<td>Helicopter Flight Operations II</td>
<td>2</td>
<td>This course is the second in the flight training sequence. Instruction is provided to introduce Commercial Pilot operations and standards. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.</td>
</tr>
</tbody>
</table>

**Attributes:**
- Special Approval Required
- Prof. Studies Students Only
AVM 2930 - Special Topics
Credit(s): 3 Credits (Repeatable for credit)

AVM 2980 - Independent Study
Credit(s): 1 or 3 Credits (Repeatable for credit)

AVM 3000 - Helicopter Ground III
Credit(s): 2 Credits
Attitude instrument flying, parts 61 and 91 of the Federal Aviation Regulations along with the Instrument Flight Procedure set forth in the Aeronautical Information Manual; introduction to IFR charts and approach plates; theory and operation of flight instruments; radio navigation; theory and analysis of weather reports, forecasts and weather charts. The student is prepared to take the FAA instrument knowledge test upon successful completion of this course. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.
Prerequisite(s): AVM 2000
Restrictions:
Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.
Attributes: Special Approval Required

AVM 3010 - Commercial Flight II
Credit(s): 2 Credits
This course is part two of a commercial flight training sequence. Instruction is provided to conclude pilot orientation to commercial flight operations and standards. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.
Prerequisite(s): AVM 2010
Restrictions:
Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.
Attributes: Special Approval Required, Prof. Studies Students Only

AVM 3500 - Helicopter Flight Operations III
Credit(s): 2 Credits
This course is the third in the flight training sequence. Instruction is provided to complete helicopter Commercial Pilot certificate. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.
Prerequisite(s): AVM 2500
Restrictions:
Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Attributes: Special Approval Required

AVM 3750 - Helicopter Flight Operations IV
Credit(s): 2 Credits
This course is the fourth course in the flight sequence. Instruction is provided to complete the Instrument Rating. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.
Prerequisite(s): AVM 3500
Restrictions:
Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Attributes: Special Approval Required

AVM 3930 - Special Topics
Credit(s): 3 Credits (Repeatable for credit)

AVM 3980 - Independent Study
Credit(s): 1 or 3 Credits (Repeatable for credit)

AVM 4000 - Principles of Flight Instruction I
Credit(s): 2 Credits
Fundamentals of teaching and learning; teaching methods; aerodynamics; flight training syllabus; maneuvers and procedures. The student is prepared to take the two flight instructor knowledge tests upon successful completion of this course. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.
Prerequisite(s): AVM 3000
Restrictions:
Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.
Attributes: Special Approval Required, Prof. Studies Students Only

AVM 4250 - Helicopter Flight Operations V
Credit(s): 2 Credits
Instruction leading to flight instructor certificate with Helicopter rating. Prerequisite: commercial pilot certificate. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department. Commercial Pilot Certificate with Instrument Rating Required.
Prerequisite(s): AVM 3750
Restrictions:
Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.
Attributes: Special Approval Required
AVM 4500 - Principles of Flight Instruction II
Credit(s): 2 Credits
This course will provide the appropriate knowledge to understand the elements of teaching instrument and multiengine flight. The student will prepare lesson plans and practice various methodologies appropriate for advanced flight instruction. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department.

Restrictions:
Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.

Attributes: Special Approval Required

AVM 4750 - Helicopter Flight Operations VI
Credit(s): 1 Credit
Instruction leading to the addition of an instrument rating to a flight instructor certificate. Restricted to students who are coded as Helicopter Preparation students in Banner. Permission to register is required by the department. Commercial Flight Instructor Certificate Required.

Prerequisite(s): AVM 4250

Restrictions:
Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Enrollment limited to students in the Academic Affairs, Parks College of Eng, Av Tch or Schl for Professional Studies colleges.

Attributes: Special Approval Required

AVM 4800 - Peer-Mediated Instruction
Credit(s): 1-6 Credits (Repeatable for credit)
This course provides upper level students with supervised opportunities to integrate theory and practice by working with teachers in classrooms or other field settings to mentor beginning level students within the discipline of helicopter ground and flight operations. Peer-mediated Instruction and Support will emphasize the development and application of teaching skills that can influence critical thinking and applied hands-on learning. Offered annually as needed.

Restrictions:
Enrollment limited to students in the BS Aero, Aviation Mgmt-Helicop or BS Aero, Aviat Mgmt (SPS-Heli) programs.

Attributes: Special Approval Required

AVM 4930 - Special Topics
Credit(s): 3 Credits (Repeatable for credit)

AVM 4980 - Independent Study
Credit(s): 1 or 3 Credits (Repeatable for credit)