

## APPENDIX 2; RECOMMENDED FIRC ELECTIVE TOPICS

The following are recommended elective topics that may be used in conjunction with the required 15 core topics identified in Appendix 1 of Advisory Circular AC 61-83F. FIRC providers may submit Lesson Plans for each of the topics below. Each topic's lesson plan should include, at a minimum, objectives, lesson content, instructional techniques, and completion standards. Lesson plans for any of these listed elective topics will automatically be approved. Providers may submit lesson plans for topics not listed here and they will be reviewed on a case-by-case basis. Once approved, providers may switch elective topics at any time and as frequently as they wish throughout their TCO approval period provided that they notify AFS-800 of the change prior to classroom presentation. This Appendix should be checked periodically since suggested topics may be added or deleted. However, if a topic is ever deleted and a provider has already had that topic approved, then they will retain approval for that topic for the duration of their overall TCO approval period. For most of the topics listed below, strong emphasis should be placed on *how* flight instructors should effectively teach the subject matter to their pilots-in-training, rather than simply teaching the flight instructors.

- 1 Teaching Aerodynamics
- 2 Practical Test Standards
- 3 Federal Regulations
- 4 Flight Information Publications
- 5 National Airspace System (May be incorporated into the Post-9/11 Airspace Core module)
- 6 Weather Analysis (Scenario-based training should be emphasized)
- 7 Human Factors / CRM
- 8 Fundamentals of Instruction (May be incorporated in the Effective Teaching Core module)
- 9 Flight Maneuvers and Procedures
- 10 Flight Safety
- 11 Recurrency/Transition Training
- 12 Collision Avoidance Procedures
- 13 Instructor Professionalism
- 14 Airport Operations
- 15 Controlled Flight Into Terrain
- 16 Stall/Spin awareness
- 17 Logging Flight Time and PIC Considerations
- 18 Practical Test Preparation
- 19 Teaching Fuel Management
- 20 Teaching IFR Approach and Departure Procedures
- 21 Aeromedical Factors
- 22 How to Apply for Waivers/Exemptions
- 23 Business Aspects of Flight Instruction
- 24 Ethics for Flight Instructors
- 25 Effective use of Aviation Training Devices in flight training
- 26 How to develop effective training scenarios
- 27 How to teach formalized risk evaluation/mitigation techniques
- 28 Weather in the cockpit (i.e., datalink, etc.)
- 29 Winter Flying / icing
- 30 Mountain Flying
- 31 CFI Legal Issues
- 32 Open Forum (no more than one hour of the 16 hour program)