



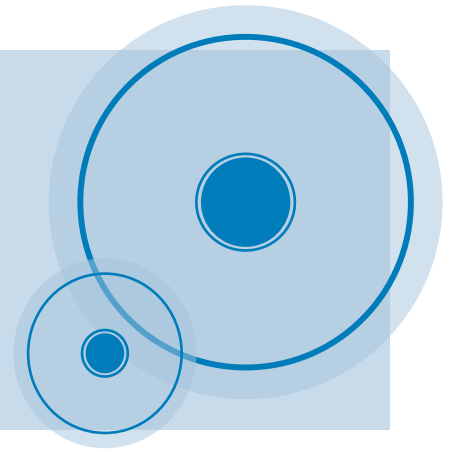
Dowling College School of Aviation

Aviation Management Assessment
Process

Ron Lindenfeld



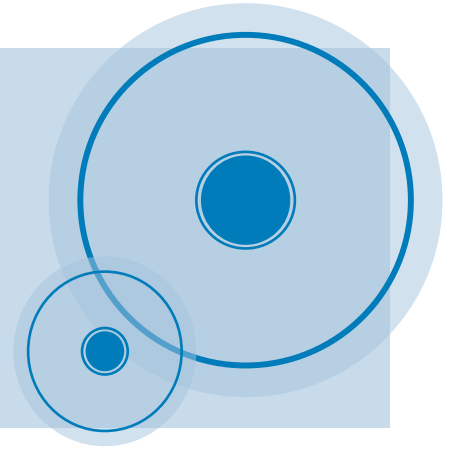
Aviation Management Program Components



- Program Goals
- Student Learning Outcomes (SLO)
 - AABI General Outcomes (GO)
 - AABI Aviation Core Outcomes (ACO)
 - Dowling Aviation Management Outcomes (AMO)
- Course Learning Outcomes (CLO)
 - Specific to courses
 - Mapped to associated SLOs
- Aviation Industry Advisory Council (AIAC)



Nichols Model of Assessment



- What is the...
 - Goal? Objective? Outcome?
- Let's measure how we are doing...
 - Quantitative (grades, Likert scale surveys)
 - Qualitative (open ended surveys, interviews, council feedback)
- Why did it turn out like this?
 - Analyze and interpret the measurements
- Do we need improvement?
 - After analyzing what the issues were, decide on a course of action to improve future results
- Lather, Rinse, Repeat...

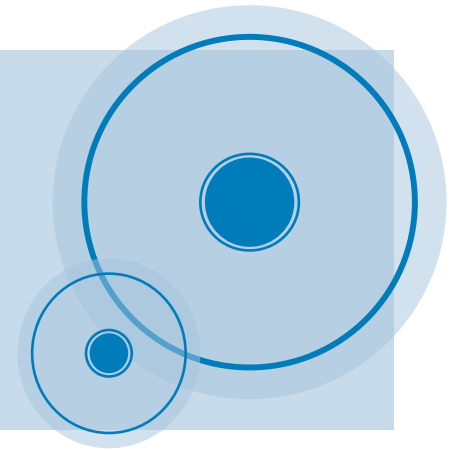


Program Goals

- Developed by the SOA faculty and administrators
 - In accordance with AABI 3.2 (Form 201)
- Reviewed by the AIAC
 - Ensure relevancy
- Modified where needed based on AIAC feedback
- Re-evaluated on 5 year cycle
 - Earlier if industry or public needs are identified



Program Goals

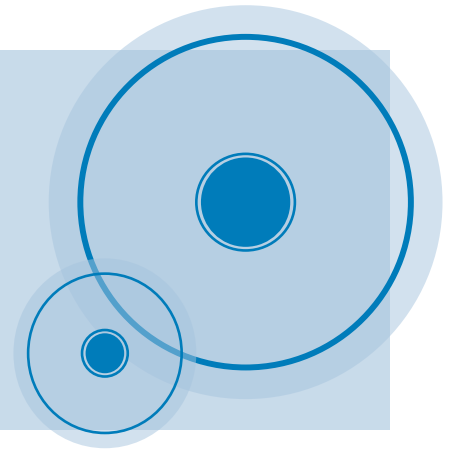


Program Goal Mapping

	AER 1001N	AER 1002N	AER 1003N	AER 1006N 2021N	AER 2001N	AER 2004N	AER 2015N	AER 3013N	AER 3106N	AER 3114N	AER 3115N	AER 4103N
Goal 1	I	I		I	I	I	I	I	I			P
Goal 2	I		I	I	I	I		I		I, P	I, P	P
Goal 3					I	I	I	I	I	I, P	I, P	P
Goal 4										I, P	P, M	P
Goal 5						I, P				P	P	P, M



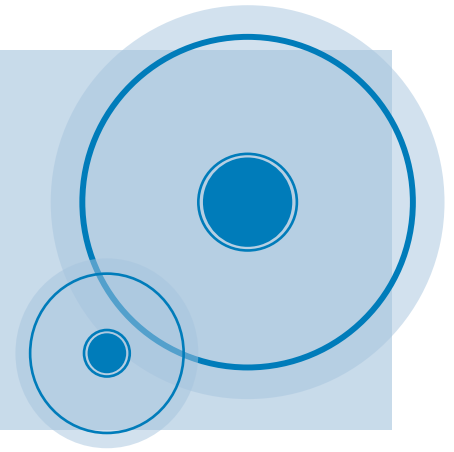
Dowling Aviation Management SLOs



- Developed by the SOA faculty and administrators
 - In accordance with AABI 3.3 (Form 201)
- Reviewed by the AIAC for relevancy
- Modified where needed based on AIAC feedback
- Re-evaluated on 5 year cycle
 - Earlier if industry or public needs are identified



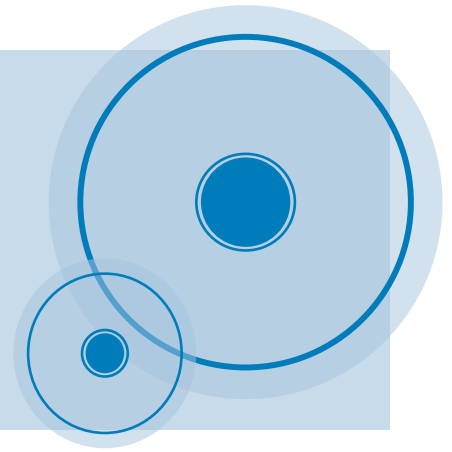
Dowling Aviation Management SLO Curriculum Map



	AER 1001N	AER 1002N	AER 1003N	AER 1006N	AER 2001N	AER 2004N	AER 2015N	AER 3013N	AER 3106N	AER 3114N	AER 3115N	AER 4103N
AMO 1	X	X			X		X	X				
AMO 2	X	X	X	X	X	X	X	X		X	X	
AMO 3	X	X			X		X	X				X
AMO 4	X	X	X		X	X	X			X	X	
AMO 5		X		X	X	X			X			X
AMO 6				X	X		X	X				
AMO 7				X						X	X	
AMO 8						X				X	X	X
AMO 9				X			X		X			



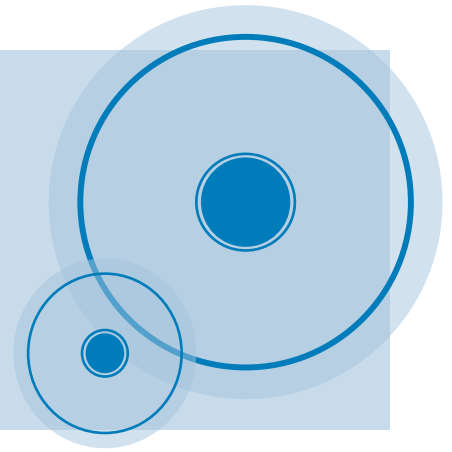
Aviation Management Curriculum SLOs and CLOs



- Developed by the SOA faculty and administrators
 - In accordance with AABI 3.4 (Form 201)
- Reviewed by the AIAC
- CLOs are mapped to AABI's SLOs and Dowling's SLOs
- Re-evaluated on 5 year cycle
 - Earlier if academic, industry, or public needs are identified
 - UAV/Drones



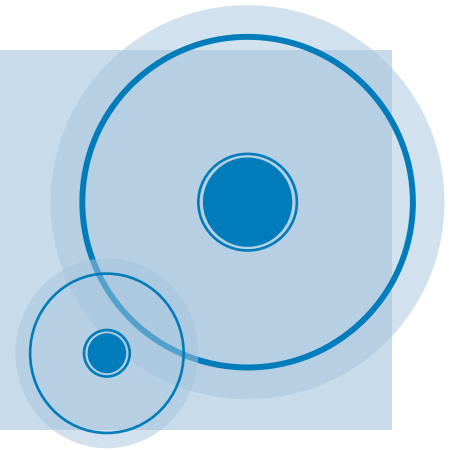
Aviation Management Curriculum Assessment Schedule



AY 12-13	AY 13-14	AY 14-15	AY 15-16	AY 16-17
AER 1001N	AER 1006N	AER 3121N	AER 2015N	AER 3106N
AER 1003N	AER 2004N	AER 3122N	AER 3013N	
AER 2001N	AER 2120N	AER 2111N	AER 3114N	
AER 4103N	AER 1002N	AER 2021N	AER 3115N	
				AABI Reaffirmation



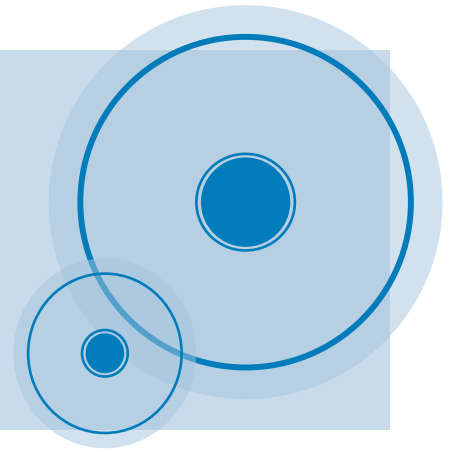
Mapping Aviation Management SLOs to CLOs



AER 2015N Course Learning Outcomes	AABI General Outcomes (GO-A through GO-K)	AABI Aviation Core Outcomes (ACO-1 through ACO-6)	Dowling Aviation Management Core Outcomes (AMO-1 through AMO-6)
CLO-6. ...demonstrate knowledge in airport administration/finances pertaining to marketing, user chargers, leases and...	GO-I	ACO-5	
CLO-7. ...demonstrate knowledge in the area of Airport System Planning pertaining to local, state and national system planning.	GO-I	ACO-5	AMO-9
CLO-8. ...demonstrate knowledge in the development of airport master plans and airport project plans.	GO-I	ACO-5	AMO-9



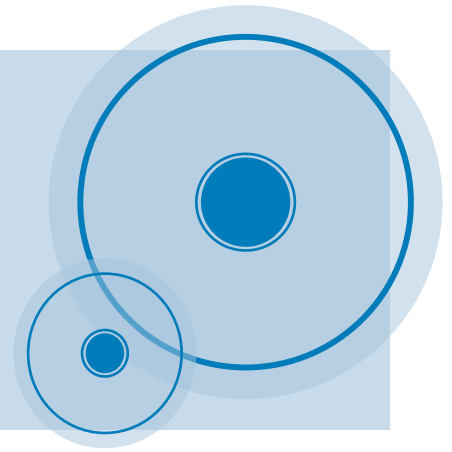
Collection and Use of CLO Data



- CLO data collected with each course run
 - What were the results?
 - Standardized spreadsheets & forms convenient for organization, calculation, and consistency
- Data analyzed and interpreted
 - How did we do? Why were these the results?
- What should we do next time?
 - Cover it differently? More quizzes? Study guides?
- Did it work?
 - Should we do that again or try something different?
 - Achievement Evidence: CLOs = SLOs = Program Goals



Questions?



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