			TECHN	IOLOGY & I	HEALTH DIVI	SION									
Program:	Commercial Flight	# Courses: (if applicable)	9	Updated:	6/30/15	Submitted b	by:	Robe	rt Ro	gus					
Institution	al Level Outcom				xperience with an Is, abilities, and at		college, stude	ents w	ill dev	elop t	he				
1. Co	mmunication	2. (Critical Th	ninking	3. Informa Technology		4: Persona Environme	•							
PLO Name	PLO Name PLO Defined: Upon successful completion of this program, students will be able to: Students will recognize and comprehend terms and vocabulary associated with														
	Aviation Industry and Career Planning ariline economics and demand; and career planning skills and resources.														
	airline economics and demand; and career planning skills and resources.2. Aviation Safety and Human FactorsStudents will recognize and comprehend physiology limitations humans experience i flight; comprehend the skills, techniques, and procedures of advanced crew resource management (ACRM), and applying ACRM principles in problem-solving scenarios; analyze aircraft accident case-studies and identify key factors leading to aircraft														
2. Aviation Safety and management (ACRM), and applying ACRM principles in problem-solving scenarios; P															
4. Flight O and Flig	perations ht Planning	Students will co aircraft in prima to explain the pu helicopters, and	mprehend ry, instrun inciples o other hig	the skills, tech nent, and comm f flight and aero h-performance a	niques, and proce ercial flight opera dynamics as they aircraft; analyze a lluate problem-so	tions. Students relate to airplar ircraft performar	will be able nes, nce data	М	м	Μ	Р				

Key for Level of Learning (Use for Mapping SLOs/MOs to PLOs to ILOs) I = Knowledge/Skill Introduced P = Knowledge/Skill Practiced/Applied

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"no-go" decisions; analyze and apply weight and balance principles in problem-solving scenarios.				
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See the Outcomes Assessment website for definitions and examples of Mt. SAC's ILOs: <u>http://www.mtsac.edu/instruction/outcomes/ilos.html</u>

Course: AERO 100 Primary Pilot Ground School			mes with ed in tha				/ing the I	evel to v	which kn	owledge	or a ski	ll can
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3	PLO 4					ILO 1	ILO 2	ILO 3	ILO 4
Students will be able to compute safe limits of aircraft weight and balance on light aircraft.	Т	I	I	Р					I	Р	I	
Students will demonstrate their understanding of the various procedures and techniques utilized in cross-country flight navigation	I	I	Ρ	Ρ					Р	Ρ	I	I
Identify terms and vocabulary associated with piloting and air traffic control.	Р	Т	I	I					Ρ	Ρ	Т	T
Calculate and complete a flight planning log using aircraft performance data, aeronautical charts, navigation plotter, and manual flight computer.	Р	I	I	Р					Р	Р	I	
Analyze the fundamentals of airplane and helicopter aerodynamics and flight characteristics.	Р	Р		I					Р	Р	I	
Recognize symbols and decode data from aeronautical charts.	Р	Ρ		Ρ					Р	Ρ	I	I
Interpret radio navigation instruments and determine the aircraft line of position.	- I	I		I					Ρ	Р	I	I
Use and read six basic flight instruments.	Р	Р	I	Ρ					Р	Р	I	

Student Learning Outcomes (SLOs), Measureable Objectives (MOs), Administrative Unit Objectives (AUOs)

Course: AERO 102 Aviation Weather					M (see Ke course or	ter) identi	fying the I	evel to wł	nich knov	/ledge or	a skill car	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3	PLO 4						ILO 1	ILO 2	ILO 3	ILO 4
Students will be able to decipher Federal Aviation Administration hourly airport weather observations (METAR) and terminal aerodrome forecasts (TAF).	I	Р	М	Р						М	Μ	Μ	
Students will be able to distinguish the various types of air masses and fronts that affect the weather of the United States.	Т	I	М	I						М	М	М	I
Identify layers of earth's atmosphere and determine height and at least one characteristic of each layer.	1		М							Μ	Μ	Μ	T
Determine effect of earth's uneven heat distribution on atmospheric pressure and weather.		I	М							М	М	М	I
Relate differences in true altitude, actual altitude, indicated altitude, and pressure altitude.	Р		М	Р						М	Μ	М	
Appraise cause and effect of evaporation, saturation, condensation, and precipitation on atmosphere's water cycle.			М							М	Μ	М	I
Encode and decode hourly surface weather observations; and decode pilot reports, terminal forecasts, area forecasts, winds aloft forecasts, and meteorological advisories.	I	I	М	М						М	Μ	Р	
Correlate and summarize the aviation	I	Р	М	М						М	М	М	I

Key for Level of Learning

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weather conditions and forecast for a specific location on a particular day using U.S. Low-Level Significant Weather Prognostic Chart, High-Level Significant Weather Prognostic Chart, and the Radar Summary Chart.											
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Student Learning Outcomes (SLOs), Measureable Objectives (MOs), Administrative Unit Objectives (AUOs)

Course: AERO 104 Federal Aviation Regulations					M (see Ke course or	er) identi	fying the	level to wl	nich know	vledge or	a skill car	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3	PLO 4						ILO 1	ILO 2	ILO 3	ILO 4
Students will be able to identify, classify, and describe FAA airspace by the operational differences and equipment requirements.	Р	I	I	I							Р	I	
Students will be able to identify FAA eligibility requirements and aeronautical experience requirements for each FAA pilot certificate and rating.	М	I		I							I	I	I
Identify the terms and vocabulary associated with aviation terminology and federal aviation regulations.	М	I	I							I	I	I	
Classify airspace by operational differences and equipment requirements.	М	I	Т	I							Ι	Т	
Analyze requirements for Visual Flight Rules operations, including weather minimums in a variety of airspace scenarios.	Р	Ρ	Ρ	Ρ						T	T	Т	
Identify the FAA eligibility requirements, aeronautical knowledge requirements and aeronautical experience requirements for each FAA pilot certificate and rating.	М			I							Ρ	I	
Examine the variety of planning requirements for cross-country flights including an analysis of FAR Part 1 regulations.	Р	I	Ρ	Ρ						I	Ρ	T	

Course: AERO 150 Commercial Pilot Ground School				n I, P, or I on of the		er) identil	fying the	level to wl	nich know	vledge or	a skill car	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3	PLO 4						ILO 1	ILO 2	ILO 3	ILO 4
Students will be able to identify the Practical Test Standards for Commercial Maneuvers.	I	Т		Р							Р	Т	
Students completing the course will be able to compute takeoff and landing data.	Р	I		М							Ρ	I	
Explain the principles of flight and aerodynamics as they relate to high-performance aircraft.	Р			Ρ						Т	Ρ		
Calculate aircraft performance data necessary for takeoff and landing, and cross-country flight.	I	I	I	М							М	Р	
Appraise takeoff decisions based on computed aircraft weight and balance, including center of gravity and the aircraft's safe operating limitations.	I	Ρ	I	М							Μ	Ρ	
Diagram the basic fuel system of a single- engine aircraft and relate the function of individual components to the overall system.	I			Ρ							Ρ		
Describe the objective, procedures, and common errors of the Commercial Pilot flight maneuvers.	Ρ	Ρ	I	Ρ						I	М	Ρ	I

Student Learning Outcomes (SLOs), Measureable Objectives (MOs), Administrative Unit Objectives (AUOs)

Course: AERO 152 Air Transportation				n I, P, or I on of the o		ter) identi	fying the I	evel to w	hich know	ledge or	a skill ca	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3	PLO 4						ILO 1	ILO 2	ILO 3	ILO 4
Students will Identify the events, persons, equipment, facilities, and legislation which led to the development of the air transportation industry	Р	Р	I							Р	I		
Students will analyze the economic and marketing process within a typical airline	Ρ									Р	Ρ	Ρ	Р
Distinguish economic, cultural, and political factors impacting the air transportation industry	Р	Р		Т						Р	Ρ		
Identify the events, persons, equipment, facilities, and legislation which led to development of air transportation industry	М	Р	I							I	Р		
Evaluate the administrative processes of agencies regulating air transportation industry	Ρ	Т									Ρ	Р	I
Identify the components of a commercial organization which administers and operates a typical airline	Р	I								I	I		
Analyze economic and marketing process within a typical airline	Ρ									Р	Ρ	Ρ	Ι
Identify organizations controlling the regulatory processes in international aviation	М	Р		Ι						Ι	Ι		Ι
Analyze aviation career opportunities in regard to personal strengths and weaknesses, minimum job requirements, and job outlook	Р	I	I							Ρ	Ρ	Ρ	Р

Course: AERO 200 Aviation Safety & Human Factors				n I, P, or I on of the o		ter) identi	fying the I	evel to wł	nich knov	vledge or	a skill car	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3	PLO 4						ILO 1	ILO 2	ILO 3	ILO 4
Students will be able to identify the common chain of events that lead to aircraft accidents	Т	Р	Р								I		
Students will be able to identify the aeronautical decision making process	Р	М									I		
Describe the various human factors that relate to and/or lead to an aviation accident.	I	Ρ		I						Ρ	I	Ρ	
Explain the common illusions that a pilot might experience during flight.	Ρ	М	Ρ							Ρ	Ρ	I	
Analyze aviation accident case studies and identify key factors leading to the accidents.	Ι	Ρ	Р	I						Ρ	Ρ	Ρ	I.
Identify strategies recommended to reduce hazardous personal attitudes leading to pilot error and aviation accidents.	I	Ρ		I						I	Ρ	Ρ	Р
Combine techniques for Crew Resource Management into principles of applied cockpit and air traffic control efficiency and safety.	I	I	I	I						I	Ρ	Ρ	I

Course: AERO 202 Aircraft Engines & Systems	Connec demons	t Outcom strated in	es with a that portio	n I, P, or I on of the o	V (see Ke course or	ey in Foot service.	er) identil	fying the	evel to wl	hich knov	ledge or	a skill car	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3	PLO 4							ILO 1	ILO 2	ILO 3	ILO 4
Students will be able to identify the Four Stroke Engine Cycle and the components of the aircraft engine	T		I	Р								Р		
Students will be able to differentiate between fixed pitch and variable pitch propeller systems	Т			Р								Ρ		
Identify engine components and their function on a four-stroke aircraft engine.	Р	I	I	М								Ρ		
Differentiate aircraft engine problems from malfunctions involving other aircraft subsystems, including relating decisions for successful troubleshooting of operational engine problems.	Т	Ρ	Ρ	Μ							I	Ρ	Р	I
Diagram basic aircraft subsystems, including hydraulic systems and pneumatic systems (to include identification of system components and their function).	Т	Р	Р	Р								Р		
Interpret aircraft schematic diagrams and illustrated parts breakdowns.	Т			Ρ							Т	Ρ		
Analyze operation of jet engine fuel systems, fuel storage, and fuel transfer.	I	Ι	I	Р							I	Р	Ι	

Course: AERO 250 Navigation				n I, P, or I on of the o		er) identi	fying the	level to wl	nich know	vledge or	a skill car	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3	PLO 4						ILO 1	ILO 2	ILO 3	ILO 4
Students completing the course will be able to identify, utilize, and integrate advanced radio navigation systems into their local and cross country flight planning procedures.	Р		Р	Р							Р	Ρ	
Students will be able to complete aircraft flight planning logs utilizing the various procedures and techniques for long range navigation.	Ρ	Ρ	Ρ	Ρ							Ρ	Ρ	Ρ
Define the terms and vocabulary associated with aeronautical charting, aerial navigation, and electronic navigation.	М	Р	Р	М						Р	М		
Calculate solutions to aircraft performance charts and dead-reckoning navigation problems using a manual flight computer.	Р	Р		М							М	Р	
Evaluate flight scenarios and select appropriate courses of action in relation to navigation systems and methods.	Р	Р	Р	Р						Р	Р	Р	Р
Explain the principles of radio navigation.	Р	I		Ρ						Ρ	Ρ		
Compare and contrast terrestrial radio navigation systems with satellite-based navigation systems.	Р	I		Р						Р	Р		Р

Student Learning Outcomes (SLOs), Measureable Objectives (MOs), Administrative Unit Objectives (AUOs)

Course: AERO 252 Instrument Ground School				n I, P, or I on of the c		er) identi	fying the	level to wl	hich know	vledge or	a skill car	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3	PLO 4						ILO 1	ILO 2	ILO 3	ILO 4
Students will be able to plan IFR (Instrument Flight Rules) cross country flights.	Ρ	Р	Р	Р						Р	Р	Р	
Students will be able to diagram holding patterns and holding pattern entries using a variety of radio navigation systems.	Р			М							М		
Explain the minimum flight instruments required for instrument flight	Р		Р	Р						Р			
Analyze aircraft instruments to assure that each instrument is functioning properly		Р	Ρ	М							М		
Examine departure situations, including analysis of aircraft equipment requirements for IFR flights.	Р	Ρ	Ρ	М						Р	М	Ρ	Р
Calculate and complete an instrument flight planning log using aircraft performance data, instrument routing, weather data, and flight computer		Ρ	Ρ	Ρ						Р	Μ	Ρ	Р
Diagram an instrument holding pattern and compute an appropriate holding pattern entry	Ρ		Ρ	М							М		

Student Learning Outcomes (SLOs), Measureable Objectives (MOs), Administrative Unit Objectives (AUOs)

Course: AERO 256 (stand-alone) Flight Instructor Ground School	Connec demons	t Outcom	es with a that portio	n I, P, or I on of the o	M (see Ke course or	ey in Foot service.	er) identif	fying the I	evel to wł	nich knov	vledge or	a skill car	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3	PLO 4							ILO 1	ILO 2	ILO 3	ILO 4
Students will be able to demonstrate knowledge of instructional methods as outlined by the FAA	Ρ			Р								Р	Р	
Students will create lesson plans for basic and advanced flight lessons		Р	Р	Р								Ρ	Р	
Construct flight lesson plans, provide background regarding required training items, and demonstrate lesson plans to peers.	Ρ	Ρ	Ρ	Ρ							Ρ	Ρ	Ρ	Р
Combine factors necessary for successful completion of newly introduced flight maneuvers and demonstrate how these factors will be utilized in flight lessons.	Р	Р	Р	Р							Р	Р	Р	Р
Differentiate errors made by student pilots in basic flight maneuvers, including correction of those errors by demonstration and further practice.	Р			Р								Ρ	Р	
Analyze basic flight maneuvers for common coordination errors made by student pilots.	Р			Р								Ρ		
Distinguish flight test preparation requirements, including documents required.	Ρ			Р								Ρ		

Student Learning Outcomes (SLOs), Measureable Objectives (MOs), Administrative Unit Objectives (AUOs)

Multi Engine Turbine Ground School					M (see Ke course or	er) identil	fying the l	evel to w	hich know	ledge or	a skill ca	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3	PLO 4						ILO 1	ILO 2	ILO 3	ILO 4
Students will be able to differentiate characteristics of high speed flight that require special action by pilots previously trained in lower performance aircraft.	Р	I	Р	Р							Р	Р	
Students will be able to diagram aircraft subsystems (including hydraulic systems and emergency equipment), to include identification of primary components and their function		I		Ρ							Ρ		
Diagram aircraft subsystems (including hydraulic systems and emergency equipment), to include identification of primary components and their function.		I		Ρ							Ρ		
Combine performance data for a multi-engine turbine aircraft to determine operational safety relative to takeoff and landing distance criteria and operational air speeds.		Р		Ρ						Р	Ρ	Р	
Analyze subsystem malfunctions (simulated) that might occur during emergency conditions and provide resolution scenarios that are applicable to the safe completion of the flight.	Р			Р						Р	Ρ	Р	
Identify characteristics of high speed flight that require special action by pilots previously trained in lower performance aircraft.	Р	I	Ρ	Р						Р	Ρ		Р
Relate performance characteristics to observed		Ρ		Р						Р	Ρ	Р	Ρ

(Use for Mapping SLOs/MOs to PLOs to ILOs)

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cockpit indications, including the detection of							
parameters outside of normal expected							
performance.							

			TECHN	OLOGY & F	EALTH DIVI	SION					
Program:	Aviation Science	# Courses: (if applicable)	11	Updated:	6/30/15	Submitted b	y:	Robe	ert Ro	gus	
Note: See	Commercial	Flight for ove	rlapping/	duplicated co	ourses						
Institution	al Level Outcon				perience with an s, abilities, and at		college, stude	ents w	vill dev	elop t	he
1. Coi	mmunication	2. (Critical Th	hinking	3. Informa Technology		4: Persona Environme	•		•	
		(see Key in Footer) cational experience		he level to which kr	nowledge or a skill ca	an be demonstrated	I following the		PLO 1 Align		-
PLO Name		PLO Defined: Up	on success	<i>o:</i>	1	2	3	4			
5. Air Traffi	ic Control	today's complex separation stand those separation	c airspace dards and n standard	environment; un procedures for k s, procedures, a	onal Airspace Sys derstand current ooth terminal and nd techniques in g air traffic contr	air traffic contro en route operati a computer sim	ol ions; apply ulated	М	М	М	Ρ
6. Aircraft I	Recognition	including the ma aircraft perform	anufacture ance chara	r, Federal Aviation acteristics, and h	, and remember a on Administration ow those charac s in a computer d	n identification c teristics are app	ode,	м	м	Р	Ρ
7. Air Traffi Team Sk	ic Control tills	the various stag to apply them in personality type	es of team a scenario s and tean	development, c o-based working n behaviors towa	portance of team oping and perfor environment; re ard becoming a s I working enviror	ming techniques cognize a variety killed team playe	s and how / of	М	м	Ρ	М

See the Outcomes Assessment website for definitions and examples of Mt. SAC's ILOs: <u>http://www.mtsac.edu/instruction/outcomes/ilos.html</u>

Student Learning Outcomes (SLOs), Measureable Objectives (MOs), Administrative Unit Objectives (AUOs)

Course: AIRT 151 Aircraft Identification and Performance				h an I, P t portion		r) identify	ving the I	evel to v	which kn	owledge	or a ski	il can
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3						ILO 1	ILO 2	ILO 3	ILO 4
Students will be able to identify aircraft by their category and weight class for separation purposes.	Р	М							М	М	Р	
Student will be able to recognize aircraft visually and identify the aircraft's manufacturer, aircraft designator, aircraft name, and FAA identification number.	Р	М							М	Μ	Ρ	
Detect the identifying characteristics of various aircraft and match that aircraft to the official FAA Type Designator (ID).	Ρ	М							Μ	М	Ρ	
Classify aircraft by FAA Category as required for air traffic control sequencing and separation.	Р	М	I						М	М	Р	I
Classify aircraft by FAA Weight Class as required for air traffic control sequencing and separation.	Р	М							М	М	Р	
Analyze aircraft for performance characteristics required for air traffic control sequencing and separation.	Р	М	I						М	М	Р	Р
Inventory families of aircraft to determine similar manufacturer standards.	Р	м							М	М	Р	

Course: AIRT 201 Terminal Air Traffic Control				M (see Ke course or	er) identi	fying the I	evel to w	nich know	vledge or	a skill car	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3						ILO 1	ILO 2	ILO 3	ILO 4
Students will compose microphone phraseology pertinent to radar and non-radar ATC instructions.	Р	Р	I						Р	Р	Р	Р
Students will distinguish the differences and the relationship between radar positions within a TOWER and a TRACON, including radar handoff procedures.	М		I						Р	Р	Р	
Distinguish the differences and the relationship between positions within a Tower and a Terminal Radar Approach Control (TRACON).	М	Р	Р						Р	Ρ	Р	I
Compose microphone phraseology pertinent to terminal ATC instructions.	Р		I						Р	Р	Р	Р
Compose and interpret terminal flight progress strips for aircraft departures and arrivals.	Ρ	Р							Ρ	Ρ	Ρ	
Diagram the functional relationship between assigned positions in an FAA control tower, including clearance delivery, ground control, and local control.	М		Ρ						Р	Ρ	Ρ	
Demonstrate proper issuance of Air Traffic Control (ATC) tower clearances.	Ρ	I	I						Р	Р	Р	Р

Course: AIRT 203 En Route Air Traffic Control				n I, P, or I on of the o		er) identi	fying the I	evel to wh	nich know	ledge or	a skill car	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3							ILO 1	ILO 2	ILO 3	ILO 4
Students will distinguish the differences and the relationship between radar positions within Air Route Traffic Control Center, including radar handoff procedures.	М		Ρ							Р	Ρ	Р	I
Demonstrate proper phraseology for enroute air traffic control clearances.	м	Т	Т							Р	Ρ	Р	
Translate airspace structure into appropriate control instructions for adequate horizontal and vertical aircraft separation.	М									Р	Р	Р	
Diagram the functional relationship between assigned positions in an enroute center, including radar control, associate radar control, and flight data.	М		Р							Р	Ρ	Р	
Compose and interpret enroute flight progress strips.	М	I								Р	Р	Р	Р
Prepare an ATC clearance using standard FAA phraseology for use during class role- playing exercises.	М	I	I							Р	Р	Р	Р

Student Learning Outcomes (SLOs), Measureable Objectives (MOs), Administrative Unit Objectives (AUOs)

Course: AIRT 251 Air Traffic Control Team Skills				n I, P, or I on of the o		ter) identi	fying the I	evel to wl	hich know	ledge or	a skill cai	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3							ILO 1	ILO 2	ILO 3	ILO 4
Students will combine techniques for effective teams in the accomplishment of ATC tasks involving interpersonal coordination, including aircraft handoffs and in-flight emergencies.	Ρ	I	Μ							М	Ρ	Ρ	М
Students will construct scenario solutions involving the impact of attitudes and values in teamwork situations.	Р		М							Μ	Ρ	Р	Р
Combine techniques for effective teams in the accomplishment of ATC tasks involving interpersonal communication.	Р		Μ							М	Ρ		М
Integrate routine ATC radar separation requirements with non-routine ATC situations involving personal stress.	Р	I	М							М	Р		Р
Criticize team techniques for efficiency and adherence to characteristics utilized by highly effective teams.	Р		Μ							Μ	Р		Μ
Differentiate interpersonal techniques that can be used for a variety of ATC scenarios, including non-radar control and separation of aircraft.	Р		Μ							Μ	Ρ		Μ
Construct scenario solutions involving the impact of attitudes and values in teamwork situations.	Р		Μ							Μ	Р	I	Μ

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Student Learning Outcomes (SLOs), Measureable Objectives (MOs), Administrative Unit Objectives (AUOs)

Course: AIRT 201L (stand-alone) Terminal Air Traffic Control Lab				n I, P, or I on of the		ter) identi	fying the	level to wl	hich know	vledge or	a skill car	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3							ILO 1	ILO 2	ILO 3	ILO 4
Students will manage simultaneous calls from aircraft, including proper establishment of communication priorities	Μ	Р	Р							Р	Р	Р	Р
Students will distinguish ATC handoff procedures, including coordination between TRACON and control towers.	Μ	Р	Р							Р	Р	Р	
Distinguish control tower arrival/departure procedures for VFR and IFR aircraft.	М	Р	Р							Р	Р	Р	
Differentiate sequence of actions for weather observations and Automatic Terminal Information Service (ATIS) production.	Μ	Р	Ρ							Р	Р	Р	
Manage simultaneous calls from aircraft inflight, including proper establishment of communication priorities.	М	Р	Р							Р	Р	Р	Р
Integrate procedures for handling computer and interagency communication priorities with direct communications from pilots within Class D airspace.	М	Р	Р							Р	Р	Р	
Distinguish ATC handoff procedures, including coordination between Terminal Radar Approach Control (TRACON) and control towers.	Μ	Ρ	Ρ							Р	Р	Р	I

Course: AIRT 203L (stand-alone) En Route Air Traffic Control Lab				n I, P, or I on of the		er) identi	fying the	level to wl	nich know	vledge or	a skill car	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3							ILO 1	ILO 2	ILO 3	ILO 4
Students will distinguish proper separation between at least three aircraft making instrument approaches.	М	М	Р							М	Μ	М	Р
Students will relay altitude and heading changes to aircraft.	М	М								М	М	М	
Relate, by headset when necessary, each operating position of the FAA facility.	М	М	Р							М	М	М	
Relate the operations and tasks of each facility position.	М		Ρ							М	М	М	
Illustrate weather reporting and observation techniques, in accordance with NWS standards.	М									Μ	Μ	Μ	
Differentiate FAA forms utilized for air traffic management.	М	М								М	М	М	
Identify the procedures agreed upon in the FAA "Letters of Agreement" of at least four air traffic control facilities.	М	М								Μ	Μ	Μ	

Course: AIRT 253 (stand-alone) Work Experience				n I, P, or I on of the		er) identi	fying the I	evel to wl	hich know	ledge or	a skill car	n be	
SLOs, MOs, AUOs	PLO 1	PLO 2	PLO 3							ILO 1	ILO 2	ILO 3	ILO 4
Employers of Air Traffic Control Work Experience Students will rate the technical skills of their students as above average.	М	Μ	М							Μ	Μ	М	Р
Employers of Air Traffic Control Work Experience Students will rate the work habits of their students as above average.	Μ	Μ	Μ							Μ	М	М	Р
Relate, by headset when necessary, each operating position of the FAA facility.	М	М	М							М	М	М	
Relate the operations and tasks of each facility position.	М	М	М							М	М	М	
Illustrate weather reporting and observation techniques, in accordance with NWS standards.	М									Μ	М	М	
Differentiate FAA forms utilized for air traffic management.	М	М	М							М	М	М	
Identify the procedures agreed upon in the FAA "Letters of Agreement" of at least four air traffic control facilities.	М	Μ	М							М	М	М	