Submit original with signatures + 1 copy + electronic copy to Faculty Senate (Box 7500).

See <a href="http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/">http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/</a> for a complete description of the rules governing curriculum & course changes.

Department Aviation Maintenance AFPM  Roger Weggel Propared by  Email riweggel@alaska.edu  2. COURSE IDENTIFICATION:  Dept ELT  Substify upper/lower division status & number of credits:  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  No  If yes, Dept.  No  If yes, Dept.  College/School  UAF/Community and Technical College Phone  Phone  Phone  Phone  Phone  Phone  Roger Weggel  X  X  X  Avaition Desired  X  Lower Division (200) Course with 100 level course prerequisites  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? No  Dept:  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  No  If yes, Dept:  Course #  Course #  Course #  Course #  Course Preserved  Spring or as Demand Warrants	Department Aviation Maintenance AFPM  Roger Weggel Propared by Email rfweggel@alaska.edu  Paculty Contact  1. ACTION DESIRED  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  Roger Weggel  No If yes, Dept:  Roger Weggel  No If yes, Dept:  Roger Weggel  Solved  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  1. Action Desired  Roger Weggel  No If yes, Dept:  Roger Weggel  No If yes, Dept:  Roger Weggel  No If yes, Dept:  Roger Weggel  Spring or as Demand Warrants		· · · · · · · · · · · · · · · · · · ·			-	
Prepared by Roger Weggel Phone 907-455-2847  Email rfweggel@alaska.edu Faculty Contact  1. ACTION DESIRED X  2. COURSE IDENTIFICATION: Dept ELT Course F 211 No. of Credits 3.0  Justify upper/lower division status & number of credits: Dept Roger Weggel Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE: Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? No Dept: # Course # YES/NO (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? No If yes, Dept. Course # YES/NO Spring or as Demand Warrants	Technical College  Roger Weggel  Phone  Propared by  If weggel@alaska.edu  Paculty Contact  Roger Weggel  ACTION DESIRED  Tiveggel@alaska.edu  Contact  Townse Faculty Contact  X   2. COURSE IDENTIFICATION:  Dept  ELT  Course F 211  No. of Credits  3.0  Justify upper/lower division status a number of credits:  number of credits:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  NO  If yes, Dept:  Course #  Spring or as Demand Warrants	Department	Aviation Mai	intenance A FDM	College/School	HAR/Cor	nmunity and
Email Contact    Tweggel@alaska.edu	Email Contact    Tweggel@alaska.edu	_ 22 2	Aviation Mai	michanic Alt M			
Email Contact  1. ACTION DESIRED  2. COURSE IDENTIFICATION: Dept ELT Course # Type Present Course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? No If yes, Dept.  (Requires approval of FEELING: Spring or as Demand Warrants	Email rfweggel@alaska.edu Faculty Contact  1. ACTION DESIRED  2. COURSE IDENTIFICATION: Dept ELT Course # 211 No. of Credits 3.0  Justify upper/lower division status & number of credits:  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? No If yes, Dept: # Course # 125/NO (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? No If yes, Dept.  6. FREQUENCY OF OFFERING: Spring or as Demand Warrants	-	Roger Wegg	el	Phone	907-455-28	B47
2. COURSE IDENTIFICATION: Dept ELT Course F 211 No. of Credits 3.0  Justify upper/lower division status a number of credits:  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? No If yes, Course # Course Signatures.)  5. To be STACKED? No If yes, Course # Course PES/NO  6. FREQUENCY OF OFFERING: Spring or as Demand Warrants	2. COURSE IDENTIFICATION: Dept ELT Course F 211 No. of Credits 3.0  Justify upper/lower division status a number of credits:  Dept ELT Course F 211 No. of Credits 3.0  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? No If yes, Course # Course signatures.)  Septiments and deans involved. Add lines at end of form for such signatures.  To be STACKED? No If yes, Course # Course YES/NO  6. FREQUENCY OF OFFERING: Spring or as Demand Warrants	Email	rfweggel@al	aska.edu		Roger We	ggel
2. COURSE IDENTIFICATION: Dept ELT Course F 211 No. of Credits 3.0  Justify upper/lower division status & Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE: Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? No If yes, Course # CROSS LISTED? No (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? No If yes, Course # Course # Course Pres/NO  6. FREQUENCY OF OFFERING: Spring or as Demand Warrants	2. COURSE IDENTIFICATION: Dept ELT Course F 211 No. of Credits 3.0  Justify upper/lower division status & Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE: Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? No If yes, Course # CROSS LISTED? No Life yes, Dept: # Course signatures.)  5. To be STACKED? No If yes, Course # Course # Course YES/NO Spring or as Demand Warrants	1. ACTION D	ESIRED	m.1.1.0			x
Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  NO  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  #  Credits  3.0  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  Course  #  Course  #  Course  #  Course  #  Course  #  Course  #  YES/NO  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  # Course  # Course  # Course  # Course  # Course  # Dept.  Spring or as Demand Warrants				3		
Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  NO  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  #  Credits  3.0  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  Course  #  Course  #  Course  #  Course  #  Course  #  Course  #  YES/NO  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  # Course  # Course  # Course  # Course  # Course  # Dept.  Spring or as Demand Warrants				ď ,		
Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  NO  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  #  Credits  3.0  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  Course  #  Course  #  Course  #  Course  #  Course  #  Course  #  YES/NO  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  # Course  # Course  # Course  # Course  # Course  # Dept.  Spring or as Demand Warrants				7.		
Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  NO  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  #  Credits  3.0  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  Course  #  Course  #  Course  #  Course  #  Course  #  Course  #  YES/NO  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  # Course  # Course  # Course  # Course  # Course  # Dept.  Spring or as Demand Warrants						
Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  NO  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  #  Credits  3.0  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  Course  #  Course  #  Course  #  Course  #  Course  #  Course  #  YES/NO  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  # Course  # Course  # Course  # Course  # Course  # Dept.  Spring or as Demand Warrants						
Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  NO  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  #  Credits  3.0  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  Course  #  Course  #  Course  #  Course  #  Course  #  Course  #  YES/NO  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  # Course  # Course  # Course  # Course  # Course  # Dept.  Spring or as Demand Warrants	<del>.</del>			<u>1</u>		
Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  NO  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  #  Credits  3.0  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  Course  #  Course  #  Course  #  Course  #  Course  #  Course  #  YES/NO  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  # Course  # Course  # Course  # Course  # Course  # Dept.  Spring or as Demand Warrants						
Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  NO  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  #  Credits  3.0  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  Course  #  Course  #  Course  #  Course  #  Course  #  Course  #  YES/NO  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  # Course  # Course  # Course  # Course  # Course  # Dept.  Spring or as Demand Warrants						
Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  NO  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  #  Credits  3.0  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  Course  #  Course  #  Course  #  Course  #  Course  #  Course  #  YES/NO  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  # Course  # Course  # Course  # Course  # Course  # Dept.  Spring or as Demand Warrants						
Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  NO  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  #  Credits  3.0  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  Course  #  Course  #  Course  #  Course  #  Course  #  Course  #  YES/NO  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  # Course  # Course  # Course  # Course  # Course  # Dept.  Spring or as Demand Warrants						
Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  NO  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  #  Credits  3.0  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  Course  #  Course  #  Course  #  Course  #  Course  #  Course  #  YES/NO  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  # Course  # Course  # Course  # Course  # Course  # Dept.  Spring or as Demand Warrants						
Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  NO  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  #  Credits  3.0  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  Course  #  Course  #  Course  #  Course  #  Course  #  Course  #  YES/NO  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  # Course  # Course  # Course  # Course  # Course  # Dept.  Spring or as Demand Warrants						
Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  NO  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  #  Credits  3.0  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  Course  #  Course  #  Course  #  Course  #  Course  #  Course  #  YES/NO  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  # Course  # Course  # Course  # Course  # Course  # Dept.  Spring or as Demand Warrants						
Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  NO  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  #  Credits  3.0  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  Course  #  Course  #  Course  #  Course  #  Course  #  Course  #  YES/NO  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  Lower Division (200) Course with 100 level course prerequisites  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Credits  3.0  Lower Division (200) Course with 100 level course prerequisites  Course  # Course  # Course  # Course  # Course  # Course  # Dept.  Spring or as Demand Warrants				Course	T 211 N	lo. of
Justify upper/lower division status & number of credits:  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? YES/NO (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? YES/NO  No If yes, Dept.  Course #  Course #  Course #  Course #  Spring or as Demand Warrants	Justify upper/lower division status & number of credits:  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? YES/NO (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? YES/NO  No If yes, Dept.  Course #  Course #  Course #  Spring or as Demand Warrants	2. COURSE I	DENTIFICATIO	N: Dept			
anumber of credits:    Course   Division (200) Course with 100 level course	Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? YES/NO (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? YES/NO No If yes, Dept:  No If yes, Dept:  No Ourse  #  Course  #  Course  #  Course  #  Course  #  Course  #  Spring or as Demand Warrants		,				
number of credits:  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? YES/NO (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? YES/NO  No If yes, Dept. Course #  YES/NO  Spring or as Demand Warrants	number of credits:  3. PROPOSED COURSE TITLE:  Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? YES/NO (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? YES/NO  No If yes, Dept. Course #  YES/NO  Spring or as Demand Warrants	Justify u	pper/lower	Lower Division	(200) Course with	100 level c	nnrse
Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? YES/NO (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? YES/NO No If yes, Dept. Course #  Course #  Spring or as Demand Warrants	Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing  4. To be CROSS LISTED? YES/NO (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? YES/NO No If yes, Dept. Course #  Course #  YES/NO  Spring or as Demand Warrants				i (200) Course with		ourse
4. To be CROSS LISTED?  VES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Course #  Course #  Dept.  Course #  Spring or as Demand Warrants	4. To be CROSS LISTED?  VES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Course #  Course #  Dept.  Course #  Spring or as Demand Warrants	number of	credits: [	prerequisites			
4. To be CROSS LISTED?  VES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Course #  Course #  Dept.  Course #  Spring or as Demand Warrants	4. To be CROSS LISTED?  VES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Course #  Course #  Dept.  Course #  Spring or as Demand Warrants						
Operator (GROL) Licensing  4. To be CROSS LISTED?  YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED?  YES/NO  No  If yes, Dept.  Course #  Course #  Spring or as Demand Warrants	Operator (GROL) Licensing  4. To be CROSS LISTED? YES/NO  {Requires approval of both departments and deans involved. Add lines at end of form for such signatures.}  5. To be STACKED? YES/NO  No If yes, Course # YES/NO  Course #  Operator (GROL) Licensing  For such signatures.  Spring or as Demand Warrants			A .B	1 10/0/0 A A	1 C	- 15 - 4 - 1 1
YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? YES/NO  No If yes, Course # Dept.  6. FREQUENCY OF OFFERING: Spring or as Demand Warrants	YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? YES/NO  No  If yes, Dept.  Course #  Spring or as Demand Warrants	3. PROPOSED	COURSE TITL	Advanced			_
YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? YES/NO  No If yes, Course # Dept.  6. FREQUENCY OF OFFERING: Spring or as Demand Warrants	YES/NO  (Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? YES/NO  No  If yes, Dept.  Course #  Spring or as Demand Warrants	3. PROPOSED	COURSE TITLE	Advanced			_
(Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? YES/NO  No  If yes, Dept.  Course #  Spring or as Demand Warrants	(Requires approval of both departments and deans involved. Add lines at end of form for such signatures.)  5. To be STACKED? YES/NO  No  If yes, Dept.  Course #  Spring or as Demand Warrants			z. [	Operator (GRO	L) Licensir	_
signatures.)  5. To be STACKED? YES/NO  No If yes, Dept. Course #  6. FREQUENCY OF OFFERING: Spring or as Demand Warrants	signatures.)  5. To be STACKED? YES/NO  No If yes, Course # Dept.  6. FREQUENCY OF OFFERING: Spring or as Demand Warrants	4. To be CR		z. [	Operator (GRO	L) Licensir	_
5. To be STACKED? No If yes, Dept. Course #	5. To be STACKED? No If yes, Dept. Course # 6. FREQUENCY OF OFFERING: Spring or as Demand Warrants	4. To be CRO	OSS LISTED?	No	Operator (GRO  If yes, Dept:	Course #	ng
6. FREQUENCY OF OFFERING: Spring or as Demand Warrants	PES/NO  Dept.  Spring or as Demand Warrants	4. To be CRO YES/NO (Requires a	OSS LISTED?	No	Operator (GRO  If yes, Dept:	Course #	ng
6. FREQUENCY OF OFFERING: Spring or as Demand Warrants	PES/NO  Dept.  Dept.  Spring or as Demand Warrants	4. To be CRO YES/NO (Requires a	OSS LISTED?	No	Operator (GRO  If yes, Dept:	Course # d lines at e	ng
6. FREQUENCY OF OFFERING: Spring or as Demand Warrants	6. FREQUENCY OF OFFERING: Spring or as Demand Warrants	4. To be CRO YES/NO (Requires a signature)	OSS LISTED? approval of botres.)	No th departments and	Operator (GRO  If yes, Dept: deans involved. Add	Course # d lines at e	ng
Spring of as Demana Warrants	Spring of as Delitate Wallants	4. To be CRO YES/NO (Requires a signature) 5. To be STA	OSS LISTED? approval of botres.)	No th departments and	Operator (GRO  If yes, Dept: deans involved. Add	Course # d lines at e	ng
		4. To be CRO YES/NO (Requires a signature) 5. To be STA YES/NO	OSS LISTED? approval of botres.) ACKED?	No No No	Operator (GRO  If yes, Dept: deans involved. Add  If yes, Dept.	Course # d lines at e	ng
		4. To be CRO YES/NO (Requires a signature) 5. To be STA YES/NO	OSS LISTED? approval of botres.) ACKED?	No No No	Operator (GRO  If yes, Dept: deans involved. Add  If yes, Dept.	Course # d lines at e	ng
		4. To be CRO YES/NO (Requires a signature) 5. To be STA YES/NO 6. FREQUENCY	OSS LISTED? approval of botres.) ACKED?	No  No  No  Spring or	Operator (GRO  If yes, Dept: deans involved. Add  If yes, Dept.  as Demand Warra	Course # d lines at e	ng
		4. To be CRO YES/NO (Requires a signature) 5. To be STA YES/NO 6. FREQUENCY	OSS LISTED? approval of botres.) ACKED?	No  No  No  Spring or	Operator (GRO  If yes, Dept: deans involved. Add  If yes, Dept.  as Demand Warra	Course # d lines at e	ng
		4. To be CRO YES/NO (Requires a signature) 5. To be STA YES/NO 6. FREQUENCY	OSS LISTED? approval of botres.) ACKED?	No  No  No  Spring or	Operator (GRO  If yes, Dept: deans involved. Add  If yes, Dept.  as Demand Warra	Course # d lines at e	ng
		4. To be CRO YES/NO (Requires a signature) 5. To be STA YES/NO 6. FREQUENCY	OSS LISTED? approval of botres.) ACKED?	No  No  No  Spring or	Operator (GRO  If yes, Dept: deans involved. Add  If yes, Dept.  as Demand Warra	Course # d lines at e	ng
		4. To be CRO YES/NO (Requires a signature) 5. To be STA YES/NO 6. FREQUENCY	OSS LISTED? approval of botres.) ACKED?	No  No  No  Spring or	Operator (GRO  If yes, Dept: deans involved. Add  If yes, Dept.  as Demand Warra	Course # d lines at e	ng
		4. To be CRO YES/NO (Requires a signature) 5. To be STA YES/NO 6. FREQUENCY	OSS LISTED? approval of botres.) ACKED?	No  No  No  Spring or	Operator (GRO  If yes, Dept: deans involved. Add  If yes, Dept.  as Demand Warra	Course # d lines at e	ng
		4. To be CRO YES/NO (Requires a signature) 5. To be STA YES/NO 6. FREQUENCY	OSS LISTED? approval of botres.) ACKED?	No  No  No  Spring or	Operator (GRO  If yes, Dept: deans involved. Add  If yes, Dept.  as Demand Warra	Course # d lines at e	ng
		4. To be CRO YES/NO (Requires a signature) 5. To be STA YES/NO 6. FREQUENCY	OSS LISTED? approval of botres.) ACKED?	No  No  No  Spring or	Operator (GRO  If yes, Dept: deans involved. Add  If yes, Dept.  as Demand Warra	Course # d lines at e	ng
		4. To be CRO YES/NO (Requires a signature) 5. To be STA YES/NO 6. FREQUENCY	OSS LISTED? approval of botres.) ACKED?	No  No  No  Spring or	Operator (GRO  If yes, Dept: deans involved. Add  If yes, Dept.  as Demand Warra	Course # d lines at e	ng
		4. To be CRO YES/NO (Requires a signature) 5. To be STA YES/NO 6. FREQUENCY	OSS LISTED? approval of botres.) ACKED?	No  No  No  Spring or	Operator (GRO  If yes, Dept: deans involved. Add  If yes, Dept.  as Demand Warra	Course # d lines at e	ng

	An ampress arming proportion in last and be bitle andite andit	
	A compression of the condition of the co	
}=-		
। द्वि		
Ť		
<u></u>		
	distribution, cross-listings and/or stacking (50 words or less if possible):	
	ELT F211 Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing	
	ELT F211 Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing 3 Credits Offered Spring or As Demand Warrants	
<del>V</del>	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
·		
A 1		
<u> </u>		
`		
`		
1		
- -		
7		
	· · · · · · · · · · · · · · · · · · ·	
7		

RESTRICTIONS ON I	ENROLLMENT (if any)
	ELT F111 or equivalent, DEVM F 105, and one of the following, a
	position in a technical, electrical, or broadcast media fields; or
, ,	
The Control of the Co	
<u>-</u>	
·	
1	
	ų.
	· · · · · · · · · · · · · · · · · · ·
	,

Must be able to physically work in areas of radio

frequency and magnet field emissions.

TTO OA the procied for appeared to all EDM consumer This

15. SPECIAL RESTRICTIONS,

CONDITIONS

Aviation Maintenance, allowing for expanded career opportunities in the avionics and flight control systems field, and extend the course options who are interested in electronics technology. The FCC licenses increase the employability of the students. JUSTIFICATION FOR ACTION REQUESTED The number of the description and annual side assurtantian association is to scrutinize course change and new course applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. lason igarous this is your morners Mhia castica Use as much space as needed to fully justify the proposed course. This course was initiated by the Aviation Maintenance facility and contract employees ... 41. - This large A is \_\_ Thanks ...

411 <u>.</u>	The first two programs are also as the second of the secon	en en la companya de	<del></del> .
-			
773-184			
Marine Page Control			
•	, <sup>2</sup> **		
	on the second se		
•			
	<b>6</b>		
· · · · · · · · · · · · · · · · · · ·			
*** F			
	( <del>-</del>		
¥	P. Or. Tan D. 1871 - 172		
,			
- 2-			
Ξ.			
+6			
**************************************			
- ' <u></u>			
- · ·			
,	***		
<u> </u>			
E			
-1.24			
7. A.			
7. A.			
	<u></u>		
	<u></u>		
	<u></u>		

	ATTACH COMPLETE SYLLABUS (as part of this application). Note: The guidelines are online:
	<u> </u>
	<del></del>
***	
r <del>"</del>	
-	
11	
l <sub>g</sub>	
· <b></b>	
1.1	
<u> </u>	
1	
_	<del>-</del>
, <b>I</b> ==	
<u> </u>	
	<b>=</b>
<del></del>	No.
	The Faculty Senate curriculum committees will review the syllabus to ensure that each of the i listed below are included. If items are missing or unclear, the proposed course (or changes to may be denied.
	SYLLABUS CHECKLIST FOR ALL UAF COURSES  During the first week of class, instructors will distribute a course syllabus. Although modifications may be made throughout the semester, this document will contain the following information (as applicable to the discipline):
	1. Course information: Title,  number,  credits,  prerequisites,  location,  meeting time (make sure that contact hours are in line with credits).
	2. Instructor (and if applicable. Teaching Assistant) information:
A ===	
	☐ Name, ☐ office location, ☐ office hours, ☐ telephone, ☐ email address.
	3. Course readings/materials:
	$\square$ Course textbook title, $\square$ author, $\square$ edition/publisher.
	☐ Supplementary readings (indicate whether ☐ required or ☐ recommended) and
	<ul><li>any supplies required.</li><li>Course description:</li></ul>
	Content of the course and how it fits into the broader curriculum;
	Expected proficiencies required to undertake the course, if applicable.
	$\square$ Inclusion of catalog description is $strongly$ recommended, and

## Course Syllabus University of Alaska Fairbanks Campus

Term: Spring 2013  Course Title: Advanced FCC Amateur and General Radiotelephone Operator (GROL) Licensing	
TO THE PARTY OF TH	
Name .	
- -	
<u></u>	
· · · · · · · · · · · · · · · · · · ·	
·	
**************************************	

Course (	Goals:	
•	1. Upon successful completion of the course the student should have the theoretical	d
	kpawledge to pass the FCC General Radiotelenhone Operator Testavith the Rado	
	CATACOLIST IN DALL DE LA LIBERTA DE LA COMPANION DE LA COMPANI	
_		
••••••••••••••••••••••••••••••••••••••		
<u> </u>	***	
. h <u></u>		
	Endorsement or an Amateur Extra Class License	
	2. Understand and follow RF safety procedures and regulations	
	3. Design RF filtering systems	
	4. Design transmission lines	
	5. Design antennas for specific frequencies, and directions	
*.	<del></del>	
A:I		
2.		
-		
· · · · · · · · · · · · · · · · · · ·	• • • • • • • • • • • • • • • • • • • •	
ATTACK		
-r.		
<b>3</b>		
T		
Ŋ		
•		
, ke		
•		•
· -		
<del>:</del> -		
	7. Design and calculate AC circuits	
	8. Operate test equipment designed for radio work.	
	9. Install, operate, and trouble shoot radio systems.	

Course Cale	ndar:
Week 1:	FCC Commercial and Amateur License Overview
	1. Grading policy for obtaining licenses
	2. Introduction to ARRL Handbook, GROL Plus textbook, and other study materials.
	3.—Ωverview of Student / Class project
	4. Radio Frequency safety and regulations
	5. FAA and FCC Regulations
Week 2:	Review of Electronics
	1. Ohm's Law DC and AC
	- Danday segan Curations of Caral Caterana Curan phonon Admittanana
1—	
	2 Pacie and advanced test equipment
	3. Basic and advanced test equipment
	4. Schematics
Week 3:	AC and RF Electronics
	4 SCT: U. Caraty wh
	2. Transformers
	3. RF Safety and Interference Issues
Week 4.	Advanced Electrical Math
. =	1. Pythagorean Theorem
	2. The Imaginary Number and Complex Systems
	3 Trigonometry and Advanced Programmable Calculating
	3
	<u> </u>
	·

Week 7.	Receiver and Transmitter Sections
•	1. Tuners
	2. RF Amplifier
	3. Mixers
	4. Oscillators
	5. IF Filter
	6. IF Amplifier
	7. Demodulator
-	
	0 454 116
	8. AF Amplifier
	9. Amplitude Modulator
	10. RF Oscillator
	11 <u>R</u> F Ոսէոսt Amplifier <sub>Կ.</sub>
•	
	12. Coupling transformers
Week 9.	Transmission Systems
	1. Transmission line types
	2. Transmission line losses
	3. Transmission line design
	4. Transmission line connections and testing
Week 10.	Antonno Contono
Week 10.	Antenna Systems
	1. Antenna types
	<ol> <li>Antenna gain and loss</li> <li>Antenna modeling</li> </ol>
	4. Antenna trouble shooting
	5. Antenna radiation patterns
Week 11.	Radar Theory and Practices
WEEK II.	1. Pulse, Continuous – Wave, and Doppler Radar operation
	2. Radar safety and installation requirements
	3. Radar frequency transmission lines and design
Week 12.	Technical Writing
WCCK 12.	Writing for amateur publications
	2. Writing for professional publications
	3. Legal and quality control reports  3. The second reports the secon
Week 13.	Student Project Presentations
AAGGK TJ.	Statent i roject i resentations
Field Day.	Field Operation

Transmitting and Receiving equipment installation 2 hrs.

Antenna Installation 1 hr.

1.

Note: Travel not included in class time, students are responsible for their own travel.

Aviation student's independent homework: Review maintenance, repair, alteration, and record keeping requirements for aircraft of the current Title 14 Code of Federal Regulations.

	Students are required to follow the University's Code of Conduct and Student Dehavior Standards in
	accordance swith the hourd of renent's policies. See the LLAF 20011 2012. Catalog nega 50 and 51, or
	· · · · · · · · · · · · · · · · · · ·
<u> </u>	

	<ul> <li>UAF Disability Services for Distance Students</li> <li>a. UAF has a Disability Services office that operates in conjunction with the College of Rural and Community Development campuses and UAF's Center for Distance Education (CDE). Disability Services, a part of UAF's Center for Health and Counseling, provides academic accommodations to carolled students who are identified as being cligible for the construction.</li> </ul>
· 1,	
5	
ħ	
• ,	<b>1</b>
<u>,                                     </u>	
<u> </u>	
· 👔	
-	
<u>.</u>	
ī	
<del>-</del>	
<u> ت</u> سبور	More to
1	
<u> 4</u>	
<u> </u>	
, P.S	
••	
_	\
14	
1	
<u>T</u>	
<del></del>	···
کے	
	·
ــــــــــــــــــــــــــــــــــــــ	