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Submit original with signatures +1 copy + electronic copy to UAF Governance.

See <u>http://www.uaf.edu/uafgov/faculty/cd</u> for a complete description of the rules governing curriculum & course changes.

TRIAL COURSE OR NEW COURSE PROPOSAL

Department	Physics		Colleg	je/School			CNSM
Prepared by	C. P. Price		Phone]			x6106
Email Contact	cpprice@alaska	.edu	Facul	y Contact		С. Р	. Price
1. ACTION DE	SIRED (CHECK OI	NE):	Trial Cours	ie X	Fine X	ACourse	
2. COURSE ID	ENTIFICATION:	Dept	PHYS	Course #	393	No. of Credits	2
Justify upper/ division statu number of cre	5 & The prero			include PHY: -cight hours.	S 301 an	d PHYS 341.	

The propose course title.

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	10. COMPLETE CATALOG DESCRIPTION including dept., number, title and credits (50 words or
	less, if possible): PHYS 393 "Thermal Physics" (2 credits)
	Classical macroscopic thermodynamics; systems and states, equations of state, the first and second laws of
	thermodynamics and their consequences, entropy, enthalpy, Helmholtz and Gibbs functions, equilibrium.
	Maxwell's relations. Prerequisites: PHYS F212X, F220, F301, F341; or permission of instructor. (2+0)
	11. COURSE CLASSIFICATIONS: (undergraduate courses only. Use approved criteria found on Page 10
	& 17 of the manual. If justification is needed, attach on separate sheet.) H = Humanities S = Social Sciences
	Will this course be used to fulfill a requirement YES NO X
	for the baccalaureate core?
	IF YES, check which core requirements it could be used to fulfilly
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	12. COURSE REPEATABILITY:
	12. COURSE REPEATABILITY: Is this course repeatable for credit? YES NO
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ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE

Signature, Chair, UAF Faculty Senate Curriculum Review Committee

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	Date	
Signature, Chair, Program/Department of:		
	Date	
Signature, Chair, College/School Curriculum Council fo	pr:	
	Date	
Signature, Dean, College/School of:	· · · · · ·	

Thermal Physics

PHYSICS 393 – Spring 2013

Syllabus

Instructor: TBD

Office Hours: TBD

Class meets: 9:15 - 10:15am, Monday, 3:45 - 4:45 pm Thursday

Credits: 2 credits.

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Prerequisites: PHYS F212X, PHYS F220, PHYS F301, PHYS F341; or permission of instructor.

Texts Fouilibrium Thermodynamics by Adding Combaider and ALEDAL 020.05210

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Legendre transformations	is among the thermodynamic pol and for the study of the statistical	tentials, and have the	grounding in classic	al
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Special Needs: The Offic	ce of Disability Services implem	nents the Americans	with Disabilities Act	
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