

**Proposals Submitted to the
Traditional Enhancement Program - Multidisciplinary
for the FY 2007-2008 Review Cycle**

Prop#	Title	Institution/Department	Principal Investigator(s)	Duration (Years)	BoRSF Money Requested
001MUL-08	Enhancement of STEM Learning and Tutoring Center in the Division of Natural Sciences	Dillard University (Physics);	Abdalla Darwish; Allan Burkett; Bernard Singleton; Hadi Alkahby; Reginald Stanton;	1	\$ 88,375
E				Total	\$ 88,375
Proposal is a New Request					
Disciplines : Chemistry, Mathematics, Physics/Astronomy, Special Multidisciplinary					
002MUL-08	Enhancement of Integrative Teaching and Learning: BEM project	Dillard University (Division of Natural Sciences and Public Health);	Jose Ramirez-Domenech; Amy Lesen; Hong Dai; Wadajo Welldaregay;	1	\$ 41,519
E				Total	\$ 41,519
Proposal is a New Request					
Disciplines : Mathematics, Special Multidisciplinary					

E=Primarily an Equipment Request

N=Not Primarily an Equipment Request

Prop#	Title	Institution/Department	Principal Investigator(s)	Duration (Years)	BoRSF Money Requested
003MUL-08	Project Teach Chemistry	Dillard University (Chemistry);	Reginald Stanton; Patricia Ventura;	1	\$ 175,570
				Total	\$ 175,570

N

Proposal is a **New Request**

Disciplines (s): Chemistry, Special Multidisciplinary, Education Enhancement

004MUL-08	Collaborative Communications & Webcasting Studio	Louisiana State University And A&M College - Baton Rouge (LSU Libraries);	Kelly Blessinger; Faye Phillips; Nancy Colyar;	1	\$ 217,092
				Total	\$ 217,092

E

Proposal is a **New Request**

Disciplines (s): Business, Chemistry, Mathematics, Physics/Astronomy, Special Multidisciplinary, Education Enhancement

005MUL-08	Developing Optimal Extraction Paths for an Aquifer Shared by Two States under Alternative Regulatory Scenarios	Louisiana State University And A&M College - Baton Rouge (Mathematics);	Ricardo Estrada; Krishna Paudel; Mike Dunn;	1 2	\$ 108,342 \$ 49,924
				Total	\$ 158,266

N

Proposal is a **New Request**

Disciplines (s): Mathematics, Special Multidisciplinary

Prop#	Title	Institution/Department	Principal Investigator(s)	Duration (Years)	BoRSF Money Requested
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006MUL-08	Acquisition of a Super Conducting Quantum Interference Device (SQUID) Magnetometer for Characterization of Magnetic Nanomaterials	Louisiana State University And A&M College - Baton Rouge (Center for Advanced Microstructures and Devices (CAMD)); Pennington Biomedical Research Center;	Challa S. Kumar; Carola Leuschner; James Spivey; John Scott; Josef Hormes;	1	\$ 248,150
				2	\$
				Total	\$ 248,150

Proposal is a **New Request**

Disciplines (s): Chemistry, Physics/Astronomy, Special Multidisciplinary

007MUL-08	LSU Campus Lake Restoration and Education Project	Louisiana State University And A&M College - Baton Rouge (Oceanography and Coastal Sciences);	Charles W. Lindau; Pamela B. Blanchard; Ronald D. Delaune;	1	\$ 200,000
				Total	\$ 200,000

Proposal is a **New Request**

Disciplines (s): Special Multidisciplinary, Education Enhancement

008MUL-08	Professional Master's Degree Programs for K-12 STEM Teachers	Louisiana State University And A&M College - Baton Rouge (Mathematics);	James Madden; Andrew Maverick; David Kirshner; Frank Neubrandner; Michael Cherry; Nell McAnelly; Scott Baldrige; William Wischusen;	1	\$ 148,840
				2	\$ 49,000
				Total	\$ 197,840

Proposal is a **New Request**

Disciplines (s): Chemistry, Mathematics, Physics/Astronomy, Special Multidisciplinary, Education Enhancement

Prop#	Title	Institution/Department	Principal Investigator(s)	Duration (Years)	BoRSF Money Requested
009MUL-08	Enhancing School Data Accessibility and Utility	Louisiana State University And A&M College - Baton Rouge (Educational Theory, Policy and Practice);	Paul Mooney; Kevin McCarter;	1	\$ 200,837
N				Total	\$ 200,837
Proposal is a New Request					
Disciplines (s): Special Multidisciplinary, Education Enhancement					
010MUL-08	Metal Containing Diamond Like Carbon Deposition System	Louisiana State University And A&M College - Baton Rouge (Center for Advanced Microstructures and Devices (CAMD));	Varshni Singh; Jost Goettert; Mandi J. Lopez; Ramachandra Devireddy; Todd Monroe; Vadim Palshin;	1	\$ 42,650
E				Total	\$ 42,650
Proposal is a New Request					
Disciplines (s): Physics/Astronomy, Special Multidisciplinary					
011MUL-08	Facilitating an Enhanced Linear Accelerator at the CAMD Synchrontron Light Source	Louisiana State University And A&M College - Baton Rouge (Center for Advanced Microstructures and Devices (CAMD));	Victor Suller; John Scott; Kevin Morris;	1	\$ 91,000
E				Total	\$ 91,000
Proposal is a New Request					
Disciplines (s): Physics/Astronomy, Special Multidisciplinary					
Prop#	Title	Institution/Department	Principal Investigator(s)	Duration	BoRSF

				(Years)	Money Requested
012MUL-08	Enhancing Multidisciplinary Animation, Film & Graphics Technology to Promote Economic Development	Louisiana State University And A&M College - Shreveport (Liberal Arts/Sciences);	Jason Makowiak; Jerry Antee; John Vassar; Lamoyne Batten; Patricia Doerr; Paul Sisson; Stephen Banks; Urska Cvek; Wayne Hogue;	1	\$ 71,496
E				Total	\$ 71,496

Proposal is a **New Request**

Disciplines (s): Business, Special Multidisciplinary, Education Enhancement

013MUL-08	Learning by Constructing Models in a Virtual World	Louisiana State University And A&M College - Shreveport (Sciences);	John Sigle; Emre Celebi; Gary Boucher;	1	\$ 108,380
E				Total	\$ 108,380

Proposal is a **New Request**

Disciplines (s): Mathematics, Physics/Astronomy, Special Multidisciplinary

014MUL-08	H-DIML: High-speed Digital Imaging and Modeling Laboratory	Louisiana Tech University (Biomedical Engineering);	Mark A. DeCoster; Alan Chiu; Katie Evans;	1	\$ 64,656
E				Total	\$ 64,656

Proposal is a **New Request**

Disciplines (s): Mathematics, Special Multidisciplinary

Prop#	Title	Institution/Department	Principal Investigator(s)	Duration (Years)	BoRSF Money Requested
015MUL-08	Nanotechnology Lab Enhancement for Pharmaceutical Nanoparticle Manufacture Education	Louisiana Tech University (Biological Engineering);	D. Patrick O'Neal; David K. Mills; Sven Eklund;	1	\$ 45,000
E				Total	\$ 45,000

Proposal is a **New Request**

Disciplines (s): Chemistry, Special Multidisciplinary

016MUL-08	Incorporation of Nano-scale Surface Characterization Techniques into LA Tech Chemistry/Physics Integrated Labs	Louisiana Tech University (Chemistry);	Upali Siriwardane; H. Lee Sawyer, Jr.; Haifeng (Frank) Ji; William C. Deese;	1	\$ 85,238
E				Total	\$ 85,238

Proposal is a **New Request**

Disciplines (s): Chemistry, Physics/Astronomy, Education Enhancement

017MUL-08	Enhancing Multidiscipline Product Development and Marketing Through Modern Fabrication Tools	Louisiana Tech University (Mechanical Engineering);	Heath Tims; Douglas Amyx; Jon Pratt; Kelly Crittenden; Michael Swanbom;	1	\$ 58,500
E				Total	\$ 58,500

Proposal is a **New Request**

Disciplines (s): Business, Special Multidisciplinary

Prop#	Title	Institution/Department	Principal Investigator(s)	Duration (Years)	BoRSF Money Requested
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018MUL-08	Enhancing the Honors Experience for Sciences Students at Nicholls State University	Nicholls State University (University Honors Program);	John P. Doucet; Chadwick Young; Cynthia M. Lamberty;	1	\$ 53,390
E				Total	\$ 53,390

Proposal is a **New Request**

Disciplines (s): Chemistry, Physics/Astronomy, Special Multidisciplinary

019MUL-08	Optimizing Education and Research Transfer with Upgraded Presentation Tools	Nicholls State University (Biological Sciences);	Gary J. LaFleur; Brandie Toups; John P. Doucet; Quenton Fontenot;	1	\$ 65,580
E				Total	\$ 65,580

Proposal is a **New Request**

Disciplines (s): Special Multidisciplinary, Education Enhancement

020MUL-08	Advanced Computer Applications in Humanities Scholarship and the Teaching of Writing, Publishing and Professional Writing	Southeastern Louisiana University (English);	David Hanson; Timothy Hudson; Tom Higginbotham;	1	\$ 94,834
N				2	\$ 49,773
				Total	\$ 144,607

Proposal is a **New Request**

Disciplines (s): Mathematics, Special Multidisciplinary

Prop#	Title	Institution/Department	Principal Investigator(s)	Duration (Years)	BoRSF Money Requested
021MUL-08	Pulsed Laser Deposition (PLD) System for Nanoionic and Nanodielectric Thin Film Material Research at SUBR	Southern University and A&M College at Baton Rouge (Physics);	Rambabu Bobba; D. S. Guo; Fred Lacy; Jin T. Wang; Terrence L. Reese;	1	\$ 190,000
E				Total	\$ 190,000

Proposal is a **New Request**

Disciplines (s): Physics/Astronomy, Special Multidisciplinary

022MUL-08	The Enhancement of Brunauer, Emmett, and Teller (BET) Surface Area Analyzer Capabilities for Research and Teaching at Southern University	Southern University and A&M College at Baton Rouge (Chemistry);	Edwin H. Walker, Jr.; Conrad Jones; Fred Lacy;	1 2	\$ 36,605 \$
E				Total	\$ 36,605

Proposal is a **New Request**

Disciplines (s): Chemistry, Special Multidisciplinary

023MUL-08	The Enhancement of High Resolution Imaging Plate for XRD Capabilities for Research and Teaching at Southern University	Southern University and A&M College at Baton Rouge (Chemistry);	Edwin H. Walker, Jr.; Edward E. Doomes; Lawrence Henry;	1 2	\$ 89,600 \$
E				Total	\$ 89,600

Proposal is a **New Request**

Disciplines (s): Chemistry, Special Multidisciplinary

Prop#	Title	Institution/Department	Principal Investigator(s)	Duration (Years)	BoRSF Money Requested
024MUL-08 E	The Enhancement of Renewable Fuels Laboratory for Sustainable Energy Education at Southern University	Southern University and A&M College at Baton Rouge (Chemistry);	Edwin H. Walker, Jr.; Edward E. Doomes;	1	\$ 182,200
				2	\$
				Total	\$ 182,200

Proposal is a **New Request**

Disciplines (s): Chemistry, Special Multidisciplinary

025MUL-08 N	Improving Access of Minority Students to Biochemical and Geonomics Education	Southern University and A&M College at New Orleans (Natural Sciences);	Solomon Adekunle; Ibrahim Ekaidi; Richard Majeste;	1	\$ 112,083
				Total	\$ 112,083

Proposal is a **New Request**

Disciplines (s): Chemistry, Special Multidisciplinary

026MUL-08 E	Enhancing Research Foundations and Development of Colleges of Business and Education	Southern University and A&M College at New Orleans (Management Information Systems);	David S. Alijani; J. Steven Welsh; James Takona; Obyung Kwun; William Belisle;	1	\$ 63,100
				Total	\$ 63,100

Proposal is a **New Request**

Disciplines (s): Business, Special Multidisciplinary, Education Enhancement

Prop#	Title	Institution/Department	Principal Investigator(s)	Duration (Years)	BoRSF Money Requested
027MUL-08	Enhanced Online Speech 210 Course	Southern University and A&M College at New Orleans (Education);	Lora Helvie-Mason; Mary Minter;	1	\$ 10,570
				Total	\$ 10,570

EProposal is a **New Request**

Disciplines (s): Special Multidisciplinary, Education Enhancement

028MUL-08	Curricula Enhancement with Hands-on Applications in History and Science Education	Southern University and A&M College at New Orleans (Education);	Linda Hill;	1	\$ 53,230
				Total	\$ 53,230

NProposal is a **New Request**

Disciplines (s): Special Multidisciplinary, Education Enhancement

029MUL-08	Integrated Environmental Engineering, Chemical Engineering and Environmental Science, and Mercury Emissions Control Laboratory	University of Louisiana at Lafayette (Civil Engineering);	Daniel Dianchen Gang; Barbara C. Benson; Donald F. Hayes; Rakesh Bajpai; Yen-Shan Liu;	1	\$ 133,120
				Total	\$ 133,120

EProposal is a **New Request**

Disciplines (s): Chemistry, Special Multidisciplinary

Prop#	Title	Institution/Department	Principal Investigator(s)	Duration	BoRSF
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				(Years)	Money Requested
030MUL-08	Nanotechnology System for Enhancing Chemical and Science Technology Laboratory	University of Louisiana at Lafayette (Industrial Technology);	G. H. Massiha; Wu Xu;	1	\$ 81,100
E				Total	\$ 81,100

Proposal is a **New Request**

Disciplines (s): Chemistry, Special Multidisciplinary

031MUL-08	Confocal Scanning Laser Microscope to Support Teaching and Research of Drug Delivery Systems, Polymer/Tissue Compatibility, and Hydration Inhibited Auto-fluorescence	University of Louisiana at Lafayette (Chemical Engineering);	R. D. K. Misra; A. Gallo; R. S. Srivastava; T. C. Pesacreta;	1	\$ 210,880
E				Total	\$ 210,880

Proposal is a **New Request**

Disciplines (s): Chemistry, Special Multidisciplinary

032MUL-08	Developing a Multidisciplinary Program for Molecular Simulation, Visualization, and Engineering	University of New Orleans (Computer Science);	Christopher M. Summa; Mahdi Abdelguerfi; Stephen Winters-Hilt; Steven W. Rick;	1	\$ 177,988
E				Total	\$ 177,988

Proposal is a **New Request**

Disciplines (s): Chemistry, Special Multidisciplinary

Summary of Proposals Submitted to the Traditional Enhancement Program - Multidisciplinary for the FY 2007-2008 Review Cycle			
Total Number of Proposals Submitted	Total First-Year Funds Requested	Total Funds Requested	Total First-Year Funds Available
32	\$ 3,549,925	\$ 3,698,622	\$