2009 MASTER PLAN/PROGRESS REPORT

Academic Program: Mathematics Education - Grades 6-12

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Mission: The purpose of the Mathematics Education Program is to provide graduates with a thorough understanding of mathematics and pedagogy and with practical skills in the professional competencies required of mathematics teachers, as well as to encourage critical thinking, effective communication, and service to the multicultural global community. Graduates will earn a Bachelor of Science in Mathematics Education and be certified and highly qualified to teach mathematics at the secondary level, grades 6-12, in the State of Louisiana.

Institutional Mission Reference: The Mathematics Education Program supports the university's mission by providing a baccalaureate curriculum designed to encourage graduates to 1) achieve maximum intellectual growth and love of learning, 2) cultivate the skills necessary for critical thinking and effective expression, 3) acquire a better understanding of the multicultural global community, and 4) develop a sense of ethical responsibility.

Assessment Methods Utilized:	Data Repository Location:
 Standardized Exam (nationally normed) Standardized Exam (state-normed) Major Field Examination Internally-developed Examination Student Opinion Survey (SOS) National Survey of Student Engagement (NSSE) 	Assessment Coordinator DMCS Office
 Employer Survey Graduate Survey Alumni Survey Exit Survey/Interview/Exam Program-specific Survey 	Assessment Coordinator Assessment Coordinator
 Scoring of Essay Portfolio Evaluation Capstone Project Presentation Research Paper 	Assessment Coordinator Assessment Coordinator
 Research Project Course Summary Excel Spreadsheet Access Database Other - Please describe: 	

Course Embedded Assessment

Course Instructor

FEE III- Field Experience Evaluation- part of capstone portfolio

(Assessment of student teaching by cooperating teacher and university supervisor)

Professional Dispositions Qualities instrument

* Note: Each of these instruments uses a rating scale of 1 to 5.

Assessment Coordinator Assessment Coordinator Student Learning Outcome 1: Graduates apply critical thinking in academic and professional environments.

Expected Level of Achievement	Actual Data From Assessment	Actions/Decisions
Minimum 4.2 mean score* on indicators of final Field	The mean score of the FEE III indicators aligned with	These results reveal a high degree of satisfaction with
Experience Evaluation III (FEE III) that measure this	this outcome for candidates completing this program in	candidate performance in these areas. Raw data has not
outcome. INDICATORS: Content, Lesson Planning,	the 2008-2009 academic year are as follows:	yet been received for content indicators. It is necessary
Classroom Management, Assessment of Student	Content - 4.9	to view raw data for the content indicators because these
Learning, and Technology	Lesson Planning – 4.5	items can be rated NA in cases where the particular
	Classroom Management – 4.6 Assessment of Student Learning – 4.6	content strand is not applicable to the student teacher's experience. Specific information is needed to identify
	Technology – 4.5	the strands that are consistently receiving numerical
	reemology – 4.5	ratings as well as the strands that need to be evaluated
		by other means.
Minimum .5 growth between scores on midterm and	The mean growth score between the midterm and final	This is the second year that a specific FEE III growth
final FEE III indicators aligned with this outcome.	FEE III indicators aligned with this outcome for	expectation has been established. The expected growth
INDICATORS: Content, Lesson Planning, Classroom	candidates completing this program in the 2008-2009	was achieved and exceeded this year for 4 of the 5
Management, Assessment of Student Learning, and	academic year are as follows:	domains aligned with this outcome. This represents
Technology	Content - 0.1	greater growth than was achieved in 2007-2008.
	Lesson Planning – 1.0	
	Classroom Management – 0.9	
	Assessment of Student Learning – 0.9	
Minimum 80% percent of graduates pass Praxis II	Technology – 1.0 The pass rate on the first attempt for the PRAXIS II	The increase in scores noted in column 2 provides
content exam(s) on first attempt.	content exam(0061) for 2008-2009 program completers	strong evidence that the plan for improving Praxis II
content exam(s) on first attempt.	was 66.7% However, the overall passing score average	scores is working. This plan was implemented last year
	increased from 145 in 2007-2008 to 160.7 in 2008-	and includes the following components:
	2009. One student scored 187 and was recognized by	and meredes are rono ming components.
	ETS for exceptional achievement.	• Increase student awareness of the need for
	1	preparation for the exam prior to the first
		attempt through the advising process.
		• Increase availability of study sessions and
		resources. Candidates were encouraged to take
		practice tests in the testing center beginning in
		Spring 2008 and were given the opportunity
		again in Spring 2009. Those students who
		participated felt that this experience was helpful.
		• Encourage students to take advantage of
		opportunities to tutor lower division math
		classes and work in the mathematics lab in order
		to continually review lower level mathematics

		 while taking upper division courses. Incorporate Praxis review into Math 307 (Foundations of Mathematics) and Math 406 (College Geometry), courses currently populated primarily by math education majors. One additional component that has recently been added is called the Praxis II Scavenger Hunt. Candidates are directed to find selected problem types in practice test materials in order to prepare them to quickly recognize the context of problems on the actual test.
Minimum 80% percent of graduates pass Praxis II PLT exam on first attempt.	The pass rate on the first attempt for the PRAXIS II PLT exam for 2008-2009 program completers was 100%	Advisors will continue to encourage candidates to take part in preparation workshops offered through the BCoE.
Minimum 4.2 mean score* on indicators from Senior Exit Survey (SES). INDICATORS: Planning, Management, and Teacher Education Training.	The mean score of the SES indicators aligned with this outcome for candidates completing this program in 2008- 2009 academic year are as follows: Planning – 4 Management -4 Teacher Education Training – 3.5	This year the minimum mean of 4.2 was not met for these items from the Senior Exit Survey. One interpretation is that the candidates responding to the survey were not completely satisfied with the preparation provided in these areas. However, it is important to recognize that a rating of 4 is a very positive response. Candidate responses regarding preparation provided by field experiences prior to student teaching will also be examined as this item was rated lower than others.
Mean score at or above the 50 th percentile on the Major Fields Test in Mathematics	Scores on the Major Fields Test in Mathematics for candidates completing the program in the 2008-2009 academic year ranged from 123 to 175. The candidate scoring 175 ranked above the 80 th percentile. The remaining candidates scored below the 50 th percentile.	The data reveals that some of our students are successfully applying knowledge and thinking skills necessary to score well on this exam, while others lack the motivation required to perform well. There is currently no minimum score required for on this exam.
Mean Rating of 3.5* or higher on the NCTM process standards instrument administered in MATH 307	The mean scores on the NCTM process standards instrument for candidates completing the program in the 2008-2009 academic year ranged from 3.56 to 4.98.	Observation of student presentation of assigned problems was one of the primary components determining ratings on the NCTM process standards this year. Peer review exercises and presentations on the history of mathematics will be further developed as components of the course in Fall 2009.

Student Learning Outcome 2: Graduates formulate and express ideas effectively through oral, written, and/or technological communications in academic and professional environments.

Expected Level of Achievement	Actual Data From Assessment	Actions/Decisions
Minimum 4.2 mean score* on indicators of final Field Experience Evaluation III (FEE III) that measure this	The mean score of the FEE III indicators aligned with this outcome for candidates completing this program in	The results indicate a high degree of satisfaction with candidate performance related to communication skills.
outcome. INDICATOR: Dispositions	the 2008-2009 academic year is:	Sub-indicators contributing to the overall rating for
	Dispositions -4.5	dispositions include the sub-indicator, "Uses correct oral and written English". Others relate to communication
		between the candidate and students, parents, teachers,
		and supervisory personnel.
Minimum .5 growth between scores on midterm and	The mean growth score between the midterm and final	The expected growth was not only met but exceeded for
final FEE III indicator aligned with this outcome.	FEE III indicator aligned with this outcome for	this indicator this year.
INDICATOR: Dispositions	candidates completing this program in the 2008-2009	
	academic year is:	
	Dispositions - 1.0	
Minimum 4.2 mean score* on indicators from Senior	The mean score of the SES indicators aligned with this	The data indicates a high degree of candidate satisfaction
Exit Survey (SES). INDICATOR: Instruction	outcome for candidates completing this program in 2008-	with preparation provided by the program for using
	2009 academic year is:	effective communication skills in the area of instruction.
	Instruction - 4.6	
Minimum 4 raw score* on all indicators of Professional	No data at this time.	Instrument will be fully implemented fall 2009.
Dispositions Qualities instrument.		
Minimum 4.2 mean score* on final FEE III National	The mean score of the FEE III indicators aligned with	The results indicate a high degree of satisfaction with
Educational Technology Standards for Teachers items.	this outcome for candidates completing this program in	candidate performance related to use of technology to
	the 2008-2009 academic year is 4.5.	enhance communication within the classroom as well as
	, ·	in other aspects of professional practice.

Student Learning Outcome 3: Graduates analyze the global community to make sound judgments in academic and professional environments.

Expected Level of Achievement	Actual Data From Assessment	Actions/Decisions
Minimum 4.2 mean score* on indicators of final Field	The mean score of the FEE III indicators aligned with	The results indicate a high degree of satisfaction with
Experience Evaluation III (FEE III) that measure this	this outcome for candidates completing this program in	candidate performance related to this outcome. In
outcome. INDICATOR: Diversity	the 2008-2009 academic year is:	particular, the rating for diversity is based on sub-
	Diversity – 4.6	indicators related to recognizing and reducing
		discrimination, respecting all students, accommodating
		individual differences, and using culturally relevant
		materials.
Minimum .5 growth between score on midterm and score	The mean growth score between the Midterm and the	The expected growth was not only met but exceeded for
on FEE III indicators aligned with this outcome.	Final FEE III indicator aligned with this outcome for	this indicator this year.
INDICATORS: Diversity	candidates completing this program in the 2008-2009	
	academic year is:	
	Diversity - 0.9	
Minimum 4 raw score* on all graduate follow-up survey	No data at this time.	Instrument under construction and will be piloted fall
items addressing preparation for working in diverse		2009.
settings.		