

PROGRAM REVIEW

February 7, 2011

UNIT MNS Science Teaching DEPARTMENT Col Of Science & Math COLLEGE College of Science & Math

GRADUATE X

UNDERGRADUATE _____

UNIT CONTACT PERSON _____

CHAIRPERSON SIGNATURE _____

DEAN SIGNATURE _____

EXECUTIVE SUMMARY GRADUATE

Program Review Final University Committee Chair Comments

I. SIZE, SCOPE, AND PRODUCTIVITY OF THE PROGRAM

Briefly describe the depth and breadth of your unit's offerings (Graduate).

SIZE and SCOPE DATA GRADUATE							
Measure	Minimum	Aspirational Target	Year				
			AY07	AY08	AY09	4	5
Majors UNIT Total	7	11	11	10	7		
Science Education Empasis [MNS/MNS/SCED]			11	10	7		
Completers UNIT Total	2	3	2	4	2		
Science Education Empasis [MNS/MNS/SCED]			2	4	2		
UNIV - % Retention FS YR 1 -- F YR 2			0	0	0		
UNIV - % Retention FS YR3 -- F YR 4			0	0	0		
SCH On Campus FS			13	54	12		
SCH Off Campus FS			0	0	0		
SCH Total FS			13	54	12		
SCH Summer On and Off Campus			18	24	12		
SCHR (SCH ratios) On Campus Fall/Spring			52	86	48		
SCHR (SCH ratios) Off Campus Fall/Spring			0	0	0		
SCHR (SCH ratios) Total	0	0	52	86	48		
Delaware SCHR			226	206			
% of Sections with Enrollment < 10 (GR < 8)	10	5	100	50	100		

TEACHING PERSONNEL DATA GRADUATE							
	Minimum	Aspirational Target	AY07	AY08	AY09	Year 4	Year 5
Unit Full Time Faculty Number			0.00	0.00	0.00		
Unit Full Time Faculty Adjusted for Release			0.00	0.00	0.00		
Unit Full Time Faculty GR FTE			0.25	0.63	0.25		
Unit Regional Campus Faculty Number					0.00		
Other Teaching Personnel GR Number			0.00	0.00	0.00		
Other Teaching Personnel GR PTFTE			0.00	0.00	0.00		

COMPARISONS GRADUATE

	AY07		AY08		AY09		Year 4		Year 5	
	COLL	UNIV	COLL	UNIV	COLL	UNIV	COLL	UNIV	COLL	UNIV
UNIV - % Retention FS YR 1 -- F YR 2	64.73	62.81	64.95	63.69	73.06	66.13				
UNIV - % Retention FS YR 3 -- F YR 4	83.33	83.02	85.63	83.73	82.08	82.40				
SCHR (SCH ratios) On Campus Fall/Spring	269.00	262.00	275.00	261.00	273.00	248.00				
SCHR (SCH ratios) Off Campus Fall/Spring	215.00	227.00	183.00	290.00	203.00	213.00				
SCHR (SCH ratios) Total	258.00	242.00	279.00	265.00	253.00	242.00				
% of Sections with Enrollment < 10 (GR < 8)	19.22	17.54	18.56	17.42	16.85	22.70				

SIZE and SCOPE DATA SUMMARY GRADUATE

Measure	Mean	5 year Outcome	% of Aspiration Target	Trend
Majors UNIT Total	9.3	Needs Improvement	84.81	Declining
Science Education Empasis [MNS/MNS/SCED]	9.3			Declining
Completers UNIT Total	2.7	Needs Improvement	88.66	Irregular
Science Education Empasis [MNS/MNS/SCED]	2.7			Irregular
UNIV - % Retention FS YR 1 -- F YR 2	0.0			Static
UNIV - % Retention FS YR3 -- F YR 4	0.0			Static
SCH On Campus FS	26.3			Irregular
SCH Off Campus FS	0.0			Static
SCH Total FS	26.3			Irregular
SCH Summer On and Off Campus	18.0			Irregular
SCHR (SCH ratios) On Campus Fall/Spring	62.0			Irregular
SCHR (SCH ratios) Off Campus Fall/Spring	0.0			Static
SCHR (SCH ratios) Total	62.0	Aspiration	0	Irregular
% of Sections with Enrollment < 10 (GR < 8)	83.3	Aspiration	1666.6	Irregular

GRADUATE

Brief Conclusion from Data

Additional Data or Comments

Plan to Address

Brief Follow Up on Outcomes of Plans to Address from Last Review

Program Review Final University Committee Chair Comments

II. REVENUE AND OTHER RESOURCES GENERATED BY THE PROGRAM

REVENUE DATA GRADUATE					
Measure	AY07	AY08	AY09	Year 4	Year 5
All Courses - SCH Revenue					
On Campus FS	3,122.08	13,408.74	3,146.40		
Off Campus FS	0.00	0.00	0.00		
Summer On and Off Campus	4,322.88	5,959.44	3,146.40		
Subtotal Revenue SCH	7,444.96	19,368.18	6,292.80		
All Courses - Fees Revenue					
On Campus FS	0.00	0.00	0.00		
Off Campus FS	0.00	0.00	0.00		
Summer On and Off Campus	0.00	0.00	0.00		
Subtotal Revenue FeeS	0.00	0.00	0.00		
All Courses - Total SCH and Fees	7,444.96	19,368.18	6,292.80		
Major Courses - SCH Revenue					
On Campus FS	3,122.08	13,408.74	3,146.40		
Off Campus FS	0.00	0.00	0.00		
Summer On and Off Campus	4,322.88	5,959.44	3,146.40		
Subtotal Revenue SCH	7,444.96	19,368.18	6,292.80		
Major Courses - Fees Revenue					
On Campus FS	0.00	0.00	0.00		
Off Campus FS	0.00	0.00	0.00		
Summer On and Off Campus	0.00	0.00	0.00		
Subtotal Revenue FeeS	0.00	0.00	0.00		
Major Courses - Total SCH and Fees	7,444.96	19,368.18	6,292.80		
Unit Revenue External Grants	0.00	0.00	0.00		

SUMMARY GRADUATE		
Measure	Mean	Trend
All Courses - SCH Revenue		
On Campus FS	6,559.07	Irregular
Off Campus FS	0.00	Static
Summer On and Off Campus	4,476.24	Irregular
Subtotal Revenue SCH	11,035.31	Irregular
All Courses - Fees Revenue		

On Campus FS	0.00	Static
Off Campus FS	0.00	Static
Summer On and Off Campus	0.00	Static
Subtotal Revenue FeeS	0.00	Static
All Courses - Total SCH and Fees	11,035.31	Irregular
Major Courses - SCH Revenue		
On Campus FS	6,559.07	Irregular
Off Campus FS	0.00	Static
Summer On and Off Campus	4,476.24	Irregular
Subtotal Revenue SCH	11,035.31	Irregular
Major Courses - Fees Revenue		
On Campus FS	0.00	Static
Off Campus FS	0.00	Static
Summer On and Off Campus	0.00	Static
Subtotal Revenue FeeS	0.00	Static
Major Courses - Total SCH and Fees	11,035.31	Irregular
Unit Revenue External Grants	0.00	Static

GRADUATE

Brief Conclusion from Data

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III. COSTS AND OTHER EXPENSES ASSOCIATED WITH THE PROGRAM

COSTS DATA GRADUATE					
	AY07	AY08	AY09	Year 4	Year 5
Cost Per Major	822.00	2,888.00	2,041.00		
Unit Costs per Major SCH - On campus FS	753.00	404.00	795.00		
Unit Costs per Major SCH - Off campus FS	0.00	0.00	0.00		
Unit Costs per Major SCH - Summer	0.00	470.00	396.00		
Unit Costs per Major SCH - Overall	753.00	419.00	595.00		
Unit Costs for Major Crses - On campus FS	9,042.00	21,825.00	9,535.00		
Unit Costs for Major Crses - Off campus FS	0.00	0.00	0.00		
Unit Costs for Major Crses - Summer	0.00	7,055.00	4,754.00		
Unit Costs for Major Crses - Overall	9,042.00	28,880.00	14,289.00		
Unit Costs per Univ Studies SCH - On campus FS	0.00	0.00	0.00		
Unit Costs per Univ Studies SCH - Off campus FS	0.00	0.00	0.00		
Unit Costs per Univ Studies SCH - Summer	0.00	0.00	0.00		
Unit Costs per Univ Studies SCH - Overall	0.00	0.00	0.00		
Unit Costs for Univ Studies Crses - On campus FS	0.00	0.00	0.00		
Unit Costs for Univ Studies Crses - Off campus FS	0.00	0.00	0.00		
Unit Costs for Univ Studies Crses - Summer	0.00	0.00	0.00		
Unit Costs for Univ Studies Crses - Overall	0.00	0.00	0.00		
Unit Costs per SER/BC/ROM SCH - On campus FS	0.00	0.00	0.00		
Unit Costs per SER/BC/ROM SCH - Off campus FS	0.00	0.00	0.00		
Unit Costs per SER/BC/ROM SCH - Summer	0.00	0.00	0.00		
Unit Costs per SER/BC/ROM SCH - Overall	0.00	0.00	0.00		
Unit Costs for SER/BC/ROM Crses - On campus FS	0.00	0.00	0.00		
Unit Costs for SER/BC/ROM Crses - Off campus FS	0.00	0.00	0.00		
Unit Costs for SER/BC/ROM Crses - Summer	0.00	0.00	0.00		
Unit Costs for SER/BC/ROM Crses - Overall	0.00	0.00	0.00		
Unit Costs per All SCH - On campus FS	753.00	404.00	795.00		
Unit Costs per All SCH - Off campus FS	0.00	0.00	0.00		
Unit Costs per All SCH - Summer	0.00	470.00	396.00		
Unit Costs per All SCH - Overall	753.00	419.00	595.00		
Unit Costs for All Crses - On campus FS	9,042.00	21,825.00	9,535.00		
Unit Costs for All Crses - Off campus FS	0.00	0.00	0.00		
Unit Costs for All Crses - Summer	0.00	7,055.00	4,754.00		
Unit Costs for All Crses - Overall	9,042.00	28,880.00	14,289.00		

COSTS COMPARISONS GRADUATE

	AY07	AY08	AY09	Year 4	Year 5
College Cost per Major	4,816.00	5,019.00	1,911.00		
University Cost per Major	3,297.00	3,345.00	2,083.00		
Delaware Study Cost/SCH Unit	150.00	241.00	0.00		
College Cost per Major SCHR	282.00	322.00	325.00		
University Cost per Major SCHR	204.00	214.00	231.00		
College Cost per Univ Studies SCHR	142.00	116.00	107.00		
University Cost per Univ Studies SCHR	153.00	108.00	106.00		
College Cost per SER/BC/ROM SCHR	103.00	106.00	109.00		
University Cost per SER/BC/ROM SCHR	121.00	130.00	117.00		
College Cost per all SCHR	142.00	147.00	143.00		
University Cost per all SCHR	153.00	155.00	161.00		

SUMMARY GRADUATE

	Mean	Trend
Cost Per Major	1,917.00	Irregular
Unit Costs per Major SCH - On campus FS	650.66	Irregular
Unit Costs per Major SCH - Off campus FS	0.00	Static
Unit Costs per Major SCH - Summer	288.66	Irregular
Unit Costs per Major SCH - Overall	589.00	Irregular
Unit Costs for Major Crses - On campus FS	13,467.33	Irregular
Unit Costs for Major Crses - Off campus FS	0.00	Static
Unit Costs for Major Crses - Summer	3,936.33	Irregular
Unit Costs for Major Crses - Overall	17,403.66	Irregular
Unit Costs per Univ Studies SCH - On campus FS	0.00	Static
Unit Costs per Univ Studies SCH - Off campus FS	0.00	Static
Unit Costs per Univ Studies SCH - Summer	0.00	Static
Unit Costs per Univ Studies SCH - Overall	0.00	Static
Unit Costs for Univ Studies Crses - On campus FS	0.00	Static
Unit Costs for Univ Studies Crses - Off campus FS	0.00	Static
Unit Costs for Univ Studies Crses - Summer	0.00	Static
Unit Costs for Univ Studies Crses - Overall	0.00	Static
Unit Costs per SER/BC/ROM SCH - On campus FS	0.00	Static
Unit Costs per SER/BC/ROM SCH - Off campus FS	0.00	Static
Unit Costs per SER/BC/ROM SCH - Summer	0.00	Static
Unit Costs per SER/BC/ROM SCH - Overall	0.00	Static

Unit Costs for SER/BC/ROM Crses - On campus FS	0.00	Static
Unit Costs for SER/BC/ROM Crses - Off campus FS	0.00	Static
Unit Costs for SER/BC/ROM Crses - Summer	0.00	Static
Unit Costs for SER/BC/ROM Crses - Overall	0.00	Static
Unit Costs per All SCH - On campus FS	650.66	Irregular
Unit Costs per All SCH - Off campus FS	0.00	Static
Unit Costs per All SCH - Summer	288.66	Irregular
Unit Costs per All SCH - Overall	589.00	Irregular
Unit Costs for All Crses - On campus FS	13,467.33	Irregular
Unit Costs for All Crses - Off campus FS	0.00	Static
Unit Costs for All Crses - Summer	3,936.33	Irregular
Unit Costs for All Crses - Overall	17,403.66	Irregular

GRADUATE

Brief Conclusion from Data

Additional Data or Comments

Plan to Address

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IV. CONTRIBUTION TO UNIVERSITY STUDIES AND COURSES SERVING OTHER PROGRAMS

V. EXTERNAL DEMAND

Additional Data Available at http://www.missourieconomy.org/occupations/occ_proj.stm

VI. QUALITY OF PROGRAM INPUTS

GRADUATE					
Measure	AY07	AY08	AY09	Year 4	Year 5
GMAT Total	0.00	0.00	0.00		
GMAT Total Converted	0.00	0.00	0.00		

COMPARISONS GRADUATE															
Measure	AY07			AY08			AY09			Year 4			Year 5		
	COLL	UNIV	NAT	COLL	UNIV	NAT	COLL	UNIV	NAT	COLL	UNIV	NAT	COLL	UNIV	NAT
GMAT Total	0.00	0.00		0.00	0.00		0.00	0.00							
GMAT Total Converted	0.00	0.00		0.00	0.00		0.00	0.00							

SUMMARY GRADUATE		
Measure	Mean	Trend
GMAT Total	0.00	Static
GMAT Total Converted	0.00	Static

GRADUATE

Brief Conclusion from Data

Additional Data or Comments

Plan to Address

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VII. QUALITY OF PROGRAM OUTPUTS

GRADUATE

Brief Conclusion from Data

Additional Data or Comments

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VIII. CURRENCY OF CURRICULUM

GRADUATE

What steps have you taken to ensure that your programs and courses are up-to-date and effective?

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IX. IMPACT, JUSTIFICATION, AND OVERALL ESSENTIALITY TO THE SOUTHEAST MISSION

GRADUATE

Program Review Final University Committee Chair Comments

X. PLANNING FOR THE FUTURE

Given impending personnel and environmental changes, how do you envision the configuration of your unit in five years? What components would be phased out? What components would be reduced in size? What components will have grown? What new components will have been developed? What other units might be involved in the new components?

GRADUATE

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DEANS' COMMENTS

Final University Committee Chair Comments on Entire Document

Provost's Decision