

## Instructional Faculty

(Use this form for Initial Program Approval as well as Periodic Review/Program Evaluation)

**Institution:** University of Detroit Mercy

**Date:** May 12, 2005

**Specialty Studies Program:** Integrated Science (DI)

**Certification/Endorsement** CODE: DI

Please include all faculty teaching the courses shown on Form XX.

Courses	Faculty Member	Highest Degree Related to this Specialty Program (indicate study focus and research area)	Professional Development Experience in the Last 3 Years	Familiarity with K-12 Curriculum Framework and MEAP Assessment	Special Awards and Recognition	P-12 Collaborative Work
BIO 121 BIO 448	Stokes S. Baker	Ph.D. /Molecular genetics	Participation in profession societies and work shops: Project Kaleidoscope, Amer. Soc. Of Plant Biol., Botanical Soc. Of Amer., MI. Science Teacher Assoc.		Who's Who Among America's Teachers 1998	Within the Detroit Public School System
CHM 107 CHM 110	Benvenuto, Mark A.	Ph.D., Inorganic Chemistry	Secretary Treasurer, Michigan College Chemistry Teachers Association (2004). Attended both National American Chemical Society meetings in each year.	Participated in a department workshop about <i>MCF</i> , MEAP Assessment, and relationship with SDE Chemistry standards conducted by E. Lea Schelke, PR/PE Coordinator, in 2004 . MDE PR/PE Panelist for Chemistry Program Reviews Spring 2004 . Served as reviewer, 2004.	UDM Science Teacher of the Year 2005, 2004. 2005 University of Detroit Mercy College of Engineering and Science Cornerstone Award. Michigan Science Teachers Association, Science Teacher of the Year, college division, 2003. Detroit Section, American Chemical Society, Distinguished Service Award, 2003.	Work with 2 high school teachers and 2 elementary teachers. University of Detroit Mercy student groups perform science experiments in classes, after having safety and preparation classes at the University.

Courses	Faculty Member	Highest Degree Related to this Specialty Program (indicate study focus and research area)	Professional Development Experience in the Last 3 Years	Familiarity with K-12 Curriculum Framework and MEAP Assessment	Special Awards and Recognition	P-12 Collaborative Work
BIO 103 BIO 120	Gregory M. Grabowski	Ph.D./Cell biology and anatomy	Participation in profession societies and workshops: Assoc. of Coll. And Univer. Biol. Educators, Project Kaliedoscope, Amer. Assoc. of the Advancement of Science, MI Microscopy Soc., Pi Society, Detroit Science Center	yes	Science Teacher of the Year	Within Detroit and Utica School Districts
BIO 122 BIO 270 BIO 420	Barbara A. Hollar	Ph.D/ Human genetics	Participation in profession societies and work shops: Amer. Assoc. of the Advancement of Science, Phi Beta Kappa, NY Acad. of Science.	yes	Science Teacher of the Year	Consultant in Dearborn schools
CHM 111 CHM 387	Katherine Lanigan	Ph.D., Physical Chemistry	Attended Michigan College Chemistry Teachers Association (2002,2003,2004). Attended Detroit Section Meeting of American Chemical Society (ACS) (2003,2004,2005). Attended Regional ACS Meetings (2002,2003,2004).	Participated in a department workshop about <i>MCF</i> , MEAP Assessment, and relationship with SDE Chemistry standards conducted by E. Lea Schelke, PR/PE Coordinator, in 2004 .	None.	DAPCEP (Detroit Area Pre-College Engineering Program) Instructor for 8 <sup>th</sup> graders (2003,2004,2005). STEPS (Summer Technology Engineering Preview Camp) Instructor for high school girls (2003,2004). Sundaes and Science Program 2003.

Courses	Faculty Member	Highest Degree Related to this Specialty Program (indicate study focus and research area)	Professional Development Experience in the Last 3 Years	Familiarity with K-12 Curriculum Framework and MEAP Assessment	Special Awards and Recognition	P-12 Collaborative Work
CHM 103 CHM 227 CHM 228 CHM 229 CHM 230	Matthew J. Mio	Ph.D., Organic Chemistry	President, Michigan College Chemistry Teachers Association (2004). Member of Michigan Science Teachers Association (MSTA). Attended Detroit Section Meeting of the American Chemical Society (2004 & 2005).	Participated in a department workshop about <i>MCF</i> , MEAP Assessment, and relationship with SDE Chemistry standards conducted by E. Lea Schelke, PR/PE Coordinator, in 2004. Have visited website.	University of Detroit Mercy Engineering and Science Arthur Haman Service Award.	Performed chemical demonstration to visiting grade and high school students. Presenter at Detroit Area PreCollege and Engineering Chemical World for 8 <sup>th</sup> graders.
BIO 123	Mark J. Ottenbreit	Ph.D./cellular physiology	Annual review & assessment of courses and workshops	yes	Science Teacher of the Year	Within Detroit School Districts
CHM 470	Elizabeth S. Roberts-Kirchhoff	Ph.D., Biological Chemistry Cytochrome P450 Natural Products	Attendance at National Meetings: 17 <sup>th</sup> Biennial Conference on Chemical Education, 2002 Bellingham, WA ASBMB, 2002, New Orleans Experimental Biology, 2003, San Diego Experimental Biology 2004, Washington D.C. Attendance at local meetings MI College Chemistry Teachers Association 2003,	Participated in a department workshop about <i>MCF</i> , MEAP Assessment, and relationship with SDE Chemistry standards conducted by E. Lea Schelke, PR/PE Coordinator, in 2004. Member NSTA and subscribe to <i>The Science Teacher</i> (grades 9-12). Have read through the "Michigan Content Standards and	2005 University of Detroit Mercy Magis Award. Faculty Achievement Award, 2002. ASBMB Travel Award.	As an Oakland county member of Edumonitor; Hands-on-activities at Pontiac Central High School and Waterford Middle School Workshop presenter at Explorathon and Sundaes and Science: A Mother Daughter Night Out. Presenter at Detroit Area PreCollege and Engineering Chemical World for 8 <sup>th</sup> graders,

Courses	Faculty Member	Highest Degree Related to this Specialty Program (indicate study focus and research area)	Professional Development Experience in the Last 3 Years	Familiarity with K-12 Curriculum Framework and MEAP Assessment	Special Awards and Recognition	P-12 Collaborative Work
	Roberts-Kirchoff (cont.)		Detroit.	Benchmarks”.		Organizer/Presenter for Girl Scout Merit Badge Workshop.
CHM 108	Jonathon Stevens	Ph.D., Physical Chemistry		Participated in a department workshop about <i>MCF</i> , MEAP Assessment, and relationship with SDE Chemistry standards conducted by E. Lea Schelke, PR/PE Coordinator, in 2004 .	None.	Advisor for DAPCEP (Detroit Area Pre-College Engineering Program)
PHY 108 PHY 130 PHY 131 PHY 132 PHY 133	Eswara Prasad Venugopal	Ph.D 1998 from the University of Massachusetts, Amherst; Ph.D research in theoretical high energy physics;  Current focus on active-learning methods in introductory physics.	(1) American Society for Engineering Education Conference, Memphis, TN, June 2003 (2) Frontiers in Education 2002 Conference, Boston, MA, November 2002	Limited.	Awarded Engineering Teacher of the Year in 2001 by students in College of Engineering & Science.	None