

## H. Major research and public service activities

OCC is not required to submit to the National Science Foundation their R&D Expenditures form #411 as we do not receive any federal, state or local funding to specifically support R&D activities, nor are any institutional funds budgeted or expensed for this purpose.

In the various Ocean County College academic schools, faculty members have displayed their scholarship and creativity in local, regional, national, and even international venues. These successes serve to prominently highlight the reputation of Ocean County College as a center of excellence in education, scholarship, and creative work.

### **School of Mathematics, Science, and Technology**

Faculty members of the School of Math, Science, and Technology have contributed diversely in 2010-2011 in the key categories of faculty performance, namely: (a) teaching effectiveness, (b) quality of internal contribution, (c) quality of external contribution, and (d) professional development.

#### **Teaching Effectiveness**

Overall, faculty members have been working this year to continue to meet the high education standards and teaching effectiveness criteria established by OCC. Some of the key accomplishments made in 2010-2011 are listed below.

- Our math faculty members have upgraded all math courses through the use of supporting technology and math-practice software programs and have (a) developed math practice using Math-XL, (b) mentored adjunct faculty teaching developmental math, (c) reviewed course assessment outcomes and closed the loop by addressing course objectives associated with low assessment scores, and (d) provided student tutoring workshops.
- Professor William Rickert with over 40 years of teaching experience, is still giving quality teaching at OCC. Professor Rickert has maintained over 96% positive student ratings for the last ten years. He also works with the students in Tau Iota Chapter of the honorary organization, Phi Theta Kappa.
- Professor Marcia Bradley developed BIOL-119-DL for our 10 week semesters, extending our efforts in science to assist the DL operation.
- Professor Joseph Kolb, a full time faculty member in Computer Science has integrated Twitter into several of his classes.
- Nancy Marashi customized the Laboratory Manual for Organic Chemistry I & II which will cost students 50% less than previously.
- Musa Marashi, one of our computer adjunct professors, developed an assessment tracking mechanism for CSIT-123.
- **Mark A. Roth, Computer Adjunct**, was **Teacher of the Year** for 2010 at Brick Township Memorial High School

- Dr. Yehia Elmogahzy, the acting Dean of Math, Science, and Technology, prepared a report on a new Core Curriculum for AS-Engineering Degree under the Perkins agreement, March 20, 2011 and also modified ENGR 181, Graphics for Engineers, to accommodate AutoCAD technology. Dr Elmogahzy also developed a new capstone engineering course titled “Design of Material Structures,” ENGR-225.

### **Internal Contributions**

Internal contributions represent significant efforts that faculty members make in the service of the college and the academic unit they belong to. In this regard, faculty members of math, science, and technology have made many contributions in 2010-2011 Academic year. A selected list of these contributions is given below.

- Christine Spencer, the *Chair of the Ocean County College Senate*, was heavily involved in the Curricular Transformation Discussion Group 2010-2011 with the College President, Dr. Larson, and other faculty members. The focus of the group was on what a 21<sup>st</sup> Century Curriculum would look like. Professor Spencer also facilitated a group topic discussion for the spring 2011 Colloquium titled “Using E-Portfolios for Curricular Enhancement”.
- Mary Burke spearheaded the Curriculum Committee and Council approval of the new Computer Science Degree. Mary made a significant effort in course development and textbook selection for the CS degree. She also led the work on the Perkins 2010 Final Report and completed the 2011 spending plan.
- Marc Labella revitalized the OCC Science Club, which is now active, with more than 20 members.
- Vicki McMillian assisted the Full-time Faculty Constituency Council in studying the OCC WAC policy and procedure.
- Paul Butler and Neil Schiller of the Engineering department continued to organize the annual robotics and cardboard canoe race competition for the area Vocational-Technical schools, in cooperation with the Office of School Relations.
- For the first time, the engineering faculty organized a new competition, “Wearable Electronics,” also made in cooperation with the Office of School Relations.
- Dr. Yehia Elmogahzy, acting Dean of Math, Science, and Technology, presented two papers as part of OCC Global Education activities: “The Impact of Global Education on Technology and the Ample Global Opportunities Provided to Community Colleges”, in February 2010 and “3Es1Q Challenge in Higher Education: *Equity, Equality, Efficiency, and Quality*”, in June 2011.

### **External and Professional Contributions**

- Mary Morley, full-time Math professor, wrote the educational column for the American Women in Mathematics newsletter.

- Musa Marashi, CS Adjunct, assisted the Computer Science and System Engineering Department at Monmouth University with their ABET Accreditation Application by revising the Master Syllabus for the CS-350 (Software Engineering Concepts) course and also developed Conceptual Model for the Health Administration and Diagnostic Information (HAaDI) project for Code Technology, Inc. (CTI).
- Marcia Bradley presented a lab and lecture to middle school/high school students wherein the students extracted their own DNA and put it into necklaces. Dr. Bradley was selected for 'Who's Who among Collegiate Faculty' 2010-2011 and 'Who's Who in North American Education' 2010-2011
- Linda Henderson, full-time Math professor, was the primary fund raiser for the Faculty Association's Scholarship Fund. She successfully generated over \$2000 for the fourth consecutive year. The funds were awarded to deserving graduating students of OCC.
- Loring Garrison, full-time Science faculty, gave an invited presentation to the January, 2011 meeting of the Union County College Astronomy Club: "What's New in Star Formation?" He also represented the Novins Planetarium and publicized its programs at the all-day "Scout University" event of the Jersey Shore Council of the Boy Scouts of America held in Barnegat, NJ.
- Dr. Yehia Elmogahzy, acting Dean of Math, Science, and Technology, presented a two-day workshop in Cairo-Egypt titled "Developing Reliable Metrics for Evaluating and Measuring Egyptian Higher-Education Performance," NAQAAE, July 7 and 8, 2010.
- Mary Morley is a NJ Next fellow, a program designed to offer mentoring and support to untenured faculty in mathematics.

### **School of Language and the Arts**

During the 2010-2011 academic year, the School of Language and the Arts faculty were active participants in a variety of scholarly pursuits. Several experienced success in publishing their work. Jayanti Tamm, professor of English, had a new story published in *Forgotten Borough*, an anthology by SUNY Press, and was asked to be a regular contributor to the *Huffington Post*. History faculty member Rick Trimble published his ninth book *Organizing & Directing Successful Sports Camps and Recreation Programs*. Another member of the English faculty, Dr. Ali Botein-Furrevig received the prestigious USA Book News Award for Best Book in the category of religious books for her study *Heart of the Stranger: A Portrait of Lakewood's Orthodox Community*. This book is in its second publication with two additional sections: a prologue and a new chapter on the "Orthodox View of the Afterlife."

Several of the English faculty members also participated in conferences. Dr. Sandra Brown and Judy Angona presented at the Two Year College Association (TYCA) Northeastern Conference in Washington, DC. Dr. Jennifer Dellner presented her paper "Interdisciplinarity, The Net, and the Self: Emergent Modes of Discourse" at an international symposium in Utrecht, Netherlands. Dr. Dellner also presented "Narrative and (Dis)Order in The Curious Incident of the Dog in the Night-time" at a meeting of the Eastern Regional Conference of the Community College Humanities Association in Hartford, CT.

Heidi Sheridan, Lynn Kraemer-Siracusa, and several librarians worked on a collaborative project entitled "Teaching the Google Generation: Integrating Information Literacy in First Year English Courses." This presentation led to a conference presentation at TYCA, a poster session at the New Jersey Library Association (NJLA), and participation in a panel discussion with the VALE Shared Information Literacy Committee and the NJLA at the College of Saint Elizabeth. At the West Coast MLA conference (PAMLA) in November, Dr. Katja Hawlitchka presented "Too Sexy for the Veil? (Post) Terrorist Islam in Contemporary Popular Fiction," a paper on the post 9/11 representation of Islam. Dr. Hawlitchka also chaired a session entitled "Housewives of Millennial Television" at the East Coast MLA (NEMLA), where she also co-presented "Hardly Homemakers, not Always Wives: The Housewives of Reality Television."

Faculty members representing other humanities disciplines were also active within their fields. Philosophy professor Dr. Dan Baker participated in a yearlong special committee/discussion group on Curricular Transformation and headed a subcommittee within this group on the topic of "Teaching Critical Thinking across the Curriculum." He and Janet Hubbs, Assistant to the President for Institutional Quality, presented "Teaching Critical Thinking across the Curriculum" as a workshop during the OCC Spring 2011 Colloquium. Music Professor Karin Gargone co-chaired the Women's History Month committee with Katja Hawlitchka and organized a weekly series of presentations that celebrated the accomplishments of Women in Language and the Arts during the month of March. Art professor Nat Bard contributed to the exhibit "Good Enough for the Likes of Us" in the Stella Elkins Gallery at the Tyler School of Art in Philadelphia. During the spring of 2011, Theater Professor Arthur Waldman directed a performance of *The Laramie Project* in the OCC Black Box Theater.

Several faculty members from the School of Language and the Arts were recognized for their achievements. History Professor Lynn A. Kenneally was a fellow at the National Endowment for the Humanities (NEH) in Brooklyn during the summer of 2010 and in Philadelphia during the summer of 2011. Jayanti Tamm was invited to be a Visiting Professor in the Master of Fine Arts Program in Creative Writing at Queens College for the 2011 Spring Semester. Jennifer Dellner was elected Vice-President of the Community College Humanities Association. As advisor to the History Club, Rick Trimble successfully acquired a piece of commemorative steel from the World Trade Center. The steel is now on display at the OCC Library. Karin Gargone was appointed Music Associate at the Presbyterian Church in Toms River, NJ where she serves as organist, and Marilyn Kralik was elected as the President of the Rotary Club of Toms River.

### **School of Social Science and Human Services**

In the School of Social Science and Human Services, faculty members continued to contribute to their respective fields through scholarly and creative publications, research fellowships and active participation at various conferences and institutes as presenters, as well as the achievement of advanced degrees. Additionally, faculty members continued to devote their time and attention to various student clubs and activities on the local, state and national levels.

Richard O'Meara, College Lecturer in Homeland Security, has been heavily involved in his area of Homeland Security through publications, presentations, and activities. He recently published "Jus Post Bellum: Reflections on the Right Way to end a War; International Governance of Autonomous Military Robots," in conjunction with other authors in the *Columbia Science and Technology Law Review*, and contributed the chapter "Contemporary Governance Architecture

Regarding Robotics Technology: An Assessment” in *Robot Ethics: the Ethical and Social Implication of Robotics*, which is due to be published in late December 2011.

Mr. O’Meara was a panel member at the International Studies Association International Conference in Montreal on the topic of *Weapons and Arms Control in International Law*. As a keynote speaker, he presented *JUS POST BELUM Considerations* at the seventh annual conference on National and International Security in collaboration with the Institute for National Security and Counterterrorism and the Moynihan Institute for Global Politics at The Maxwell School of Citizenship and Public Affairs, held at Syracuse University.

He has also been aggressively coordinating several programs here at OCC such as a Rutgers University ROTC satellite program, an online Homeland Security program, and the 9/11 commemoration and conference. He has also attended classes and conferences regarding NJ Emergency Management Activities and Federal Emergency Management Activities coursework.

Dr. Neil Lavender, Professor of Psychology, published a revised edition of his co-authored book, *Toxic Co-Workers*.

Professor Ed Kissling presented at the Eastern Educational Research Association Annual Conference on the topic *Student Achievement within DL and OSOL Classes*. He also presented twice for the Marino Institute for Continuing Legal Education on the topic of NJ Real Estate Practice.

In her role as Phi Beta Lamda advisor, Professor Katherine Dillon brought OCC student members of PBL to the national PBL leadership conference held in Orlando, FL. PBL is a nonprofit education association with a quarter million students preparing for careers in business and business-related fields. OCC students competed against 500 students from two- and four-year colleges and universities and received more awards than any school on the east coast. Student, Frank Gorman, was elected vice president of Phi Beta Lambda’s eastern region while Professor Katherine Dillon won the PBL “Regional Advisor Award” for the third time. In addition, OCC’s chapter was named a Gold Seal chapter and is one of only nine schools in the country to be designated a national chapter.

At the Phi Beta Lambda State Leadership Conference, Professor Dillon was also honored as the Outstanding Advisor of the Year. Dean Labollita, Assistant Dean of Social Science and Human Services, was named Business Person of the Year and Dr. Virginia Reilly was named Local Chapter Professional of the Year.

Dr. Reilly also participated in a six-week course at Princeton University entitled: “Post-Recession America: Lessons Learned.” The lecture series brought together policy makers, academics, business leaders and journalists to examine the Global Financial Crisis of 2008 in terms of what we learned and how the crisis will shape U.S. economic policy into the future.

In Nursing, four faculty members earned their Doctorate of Nursing Practice: Assistant Professors Robert White, Margaret Quinn, Cheryl Hollema and Colleen Manzetti, Dean of Nursing.

Professor Michael Klecan, created a new Physical Therapy Aide internship for OCC students, and was instrumental in securing an articulation agreement with the United States Sports Academy, where students can pursue an online B.S. degree in Sports Management.

Barbara Napolitano continued work as a Carl D. Perkins Team leader and co-advisor for Alpha Beta Gamma, the international Business Honor Society for two year colleges.